



RESOURCE AND PATIENT MANAGEMENT SYSTEM

Consolidated-Clinical Document Architecture (CCDA)

(BCCD)

Installation Guide and Release Notes

Version 1.0 Patch 7
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Preface

The purpose of this manual is to provide installation instructions for the Consolidated-Clinical Document Architecture (CCDA) v1.0 (BCCD) package. The BCCD package is designed to generate industry-standard Continuity of Care Documents (CCD) in Health Level 7 (HL7) CCDA format, following the July 2012 Draft Standard for Trial Use (DSTU) standard, further restricted by Meaningful Use 2 (MU2) requirements. These documents can be transmitted to Indian Health Service (IHS) Health Information Exchange (HIE) repositories and retrieved by the Resource and Patient Management System (RPMS) Electronic Health Record (EHR) Graphical User Interface (GUI) using web services.

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1.0 Release Notes

Version 1.0 is the initial release and contains a complete release of the BCCD package. It does not require any previous version to be installed first. Patches 1–7 contain only updates and must be installed, in order, after the version 1.0 release.

Note: The RPMS server operating system (OS) and Ensemble must be patched before installing this application. The Office of Information Technology (OIT) has distributed a technical bulletin with patching instructions. Failure to apply all necessary patches may result in installation failure, application errors, and/or system crashes. OIT contact information is provided near the end of this document.

The intended audiences for this document are IHS site managers and other technical staff. Technical documentation accompanies this installation document in this release. Please refer to the *CCDA (BCCD) Technical Manual v1.0* (bccd0100.07t.pdf) for additional information.

The CCDA application is an RPMS-based application which generates industry standard Continuity of Care Documents (CCD) in Health Level 7 (HL7) CCDA format, following the July 2012 Draft Standard for Trial Use (DSTU) standard, further restricted by Meaningful Use 2 (MU2) requirements. These documents will be referenced as “CCDA documents” through the remainder of the installation guide. The software provides facilities for generating four types of CCDA documents: Clinical Summary, Transitions of Care, Data Portability export summaries, and CCD documents.

A CCDA document is an XML document summarizing information about an individual patient’s health care record at a given facility. The CCDA document consists of a human-readable part, known as a narrative block, which can be displayed by any web browser, and a machine-readable part intended for automated data processing.

Clinical Summary and Transitions of Care documents are retrieved by the EHR GUI using web services. Data Portability export summary documents are requested via an RPMS Application Programming Interface (API). CCD documents are generated by a nightly background job or via an RPMS menu option and are transmitted to IHS HIE repositories via web services.

The CCDA installation process creates new CCDA namespaces within Ensemble, one for each production RPMS namespace. CCDA data is extracted by a TaskMan job running within the RPMS namespace. The data is converted to a CCDA document in XML format and transmitted by the CCDA Ensemble production running in the CCDA namespace.

2.0 Installation Notes

Prefix: BCCD

Current Version: 1.0

2.1 Contents of Distribution

Table 2-1: Distribution files and descriptions

File	Description
bccd0100.k	CCDA version 1.0 KIDS installation file
bccd0100.01k	CCDA version 1.0 patch 1 KIDS installation file
bccd0100.02k	CCDA version 1.0 patch 2 KIDS installation file
bccd0100.03k	CCDA version 1.0 patch 3 KIDS installation file
bccd0100.04k	CCDA version 1.0 patch 4 KIDS installation file
bccd0100.05k	CCDA version 1.0 patch 5 KIDS installation file
bccd0100.06k	CCDA version 1.0 patch 6 KIDS installation file
bccd0100.07k	CCDA version 1.0 patch 7 KIDS installation file
bccd0100.07i.pdf	CCDA version 1.0 patch 7 Installation Manual
bccd0100.07t.pdf	CCDA version 1.0 patch 7 Technical Manual
bccd0100.07u.pdf	CCDA version 1.0 patch 7 User Manual

2.2 Required Resources

2.2.1 RPMS

The CCDA application requires Ensemble version 2012.2. The CCDA software does not require a specific version of the operating system (OS).

The RPMS server's operating system (OS) and Ensemble must be patched before this application is installed. OIT has distributed a technical bulletin with patching instructions. Failure to apply all necessary patches may result in installation failure, application errors, and/or system crashes.

2.2.2 Required Installation Parameters

The required RPMS software is listed in Table 2-2.

Table 2-2: Required RPMS modules and minimum versions

Module	Minimum Version
BMW classes	The BMW application generates Ensemble classes that are distributed in a CACHE.DAT file. These classes must be installed, and the generation date of the classes must be January 2, 2014 or later.
C32 (BJMD)	v1.0 Patch 4 is required if C32 has previously been installed
EHR	v1.1 Patch 13
VA FileMan (DI)	v22.0 Patch 1017
VA Kernel (XU)	v8.0 Patch 1017
IHS/VA Utilities (XB)	v3.0 through Patch 11
Taxonomy (ATX)	v5.1 through Patch 10
IHS Pharmacy Modifications (APSP)	V7.0 through Patch 1007

2.3 Before Beginning: Installation Issues

1. The following OIT bulletins are available to assist with getting your site ready to install CCDA. Follow the instructions in these OIT bulletins before starting CCDA installation.

Note: The bulletins were created for the C32 application, but the information applies to CCDA as well.

- How to Enable a Namespace in Ensemble.pdf
 - HowToConfigureEnsembleforC32.pdf
2. Make a copy of this package distribution for offline storage.
 3. Print all notes/readme files.
 4. Capture the terminal output during the installation using an auxport printer attached to the terminal used to perform the software installation to ensure a printed audit trail should any problems arise.

3.0 Installation Issues

3.1 Architectural Issues

The exact CCDA disk space and journaling requirements depend on whether your site participates in the IHS Health Information Exchange (HIE).

If your site is not a part of the IHS HIE at this time, then CCDA documents are generated only when a user requests CCDA documents via the EHR GUI or the Data Portability API. For the EHR GUI functionality to be available to EHR users, EHR version 1.1 Patch 13 or higher must be installed.

If your site is a part of the IHS HIE, then CCDA documents will also be generated nightly and sent to the designated off-site repository. When your site becomes a part of the IHS HIE, an upload process is initiated which creates CCDA documents for all patients in the database and sends them to the repository. After the initial upload, the repository is kept up to date by the nightly job mentioned above. This process will require additional disk space and journal space as described below.

3.2 Overview of Installation Steps

The RPMS server's operating system (OS) and Ensemble must be patched before this application is installed. OIT has distributed a technical bulletin with patching instructions. Failure to apply all necessary patches may result in installation failure, application errors, and/or system crashes.

Installation of the BCCD package consists of the following activities:

1. Calculate the additional disk space required for the BCCD package and allocate disk space.
2. Perform pre-install steps, including enabling Long Strings, verifying access to OS configuration file, designating a directory where the new CCDA database will reside (one for each RPMS database), mapping BMW globals, and stopping CCDA.
3. Install the provided Kernel Installation and Distribution System (KIDS) build, bccd0100.k, which will install the CCDA software and the new CCDA Ensemble production.
4. Perform post-install steps, including setting up optional encryption, optional e-mail notifications, disabling journaling in the CCDA database, configuring the CCDA CSP Application, setting up site-specific BCCD parameters, and starting CCDA Messaging.

5. Install BCCD patches 1–7, in order, following the instructions in the patch notes.

3.3 Disk Space

Before installing the BCCD package, be sure that there is sufficient disk space to store the new globals and software. To estimate the amount of space needed, first determine whether your site will be participating in the IHS HIE as described above.

The calculations in this section need to be performed for every RPMS database running within the Ensemble instance, so if your site has three RPMS databases, the total will be the sum of the three separate estimates.

3.3.1 Disk Space Required for Installation

Your site will need to have enough free disk space in the directory which will hold the KIDS build with the CCDA software. The unzipped version of the KIDS build is approximately 600 kilobytes (KB) in size.

3.3.2 Disk Space for the New CCDA Database

For each RPMS namespace in your Ensemble instance, a new CCDA namespace and an associated CCDA database will be created automatically during the first installation of the BCCD KIDS build, which will require at least 80 megabytes (MB) of disk space for the CCDA software.

The CCDA database is also used to store three potentially large globals. First, it contains the global ^Ens.MessageBodyD, which stores XML-formatted CCDA documents before they are transmitted. CCDA documents can be quite large, sometimes in excess of 8 MB. The CCDA software will pause if the number of untransmitted CCDA documents reaches 500, thus ensuring that they do not consume too much disk space. It is estimated that this global can contribute up to 1 gigabyte (GB) to the size of the CCDA database if Ensemble is generating CCDA documents faster than they can be transmitted. Once transmitted, the data in this global is purged.

Second, the CCDA database contains the global ^BCCD.Xfer.QueueD, which contains intermediate patient compile data extracted from RPMS during CCDA compilation. This data is not XML-formatted, so it does not require as much space. It is estimated that on average each processed patient record contributes 45 KB to the size of this global. While each record does not take a large amount of space, the global can get quite large due to the number of records that are created. The size of this global can be controlled by changing the value of the field DAYS KEEP TRANSMISSION ENTRIES in menu option Edit CCDA Site Parameters, which is described in the post-installation section of this guide. Keep in mind that the data in ^BCCD.Xfer.QueueD is not directly accessible by end users and is only useful for debugging purposes.

Finally, the CCDA database contains the global ^BCCD.Audit.AuditLogD, which is used to store the CCDA audit log.

The detailed instructions for calculating the amount of disk space which will be needed to store the CCDA data are provided below.

3.3.3 Disk Space for Sites within the IHS HIE

If your site is a part of the IHS HIE, then additional disk space will need to be allocated to accommodate the original upload of CCDA documents to the outside repository and for nightly CCDA uploads as described below. If your site is not a part of the IHS HIE at this time, skip this section and continue on to Section 3.3.4. However, if your site becomes a part of the IHS HIE later, additional disk space will need to be added to the CCDA database at that time.

3.3.3.1 Calculate the Disk Space Required for a Complete Upload

When the CCDA software is installed at an RPMS site that participates in the IHS HIE, it initiates an original upload of CCDA documents for all patients in the RPMS database. Subsequent CCDA patches may also require complete re-uploads of CCDA documents.

In order to determine how much disk space will be used during an upload of CCDA documents for all patient records, perform the following calculations:

1. Determine the number of patients in the RPMS database by looking at the fourth piece of the zero node of the AUPNPAT global. In the example below, there are 131,584 patients:

```
>W ^AUPNPAT(0)  
PATIENT^9000001sIP^132027^131584
```

2. Multiply the number of patients in the RPMS database by 45 KB and then divide by 1024 (the number of kilobytes per megabyte). This calculation is the minimum storage size needed for ^BCCD.Xfer.QueueD for the initial data upload of all patients in the database. Using the example above of 131,584 patients in the RPMS database:
 - $(131584 * 45) / 1024 = 5782.5 \text{ MB or } 5.6 \text{ GB}$ needed
3. Add 1 GB (1024 MB) for the global ^Ens.MessageBodyD. Using the example in step 1, this would give a total calculation of 6.6 GB.

Note: The data in ^BCCD.Xfer.QueueD is purged after a site-specific number of days, so the size of this global will decrease at some point after the original upload. See Section 3.3.2 for more explanation on the length of time the data is kept in this global.

3.3.3.2 Calculate Disk Space Required for Nightly Uploads

1. Estimate the average number of patient and visit records that are modified in the database on a daily basis. Include patients with changes to any of the following areas: patient demographics, visits, problems, immunizations, allergies, prescriptions, test results, procedures.
2. To determine the average amount of disk space used by the global ^BCCD.Xfer.QueueD on a daily basis, take the estimated number of patient and visit records that are modified and multiply it by 45 KB. For example, if it is estimated that the RPMS data for 1,000 patients and/or visit is changed on a daily basis:
 - $(1000*45)/1024 = 43.9$ MB needed
3. Determine how long to keep the compiled data before it is purged. The allowable range is between 7 and 9,999 days and the default is 30 days. As noted above, keep in mind that this is just intermediate compile data and is not directly accessible by the end users. It is only useful for debugging purposes and purging it has no impact on the generated CCDA documents. Record this number since it will be used later to populate the field DAYS KEEP TRANSMISSION ENTRIES in the Edit CCDA Site Parameters menu option.
4. Multiply the number of days determined in step 3 by the number of megabytes calculated in step 2. For example, if the intermediate data is kept for 30 days, the calculation will be:
 - $43.9*30 = 1,317$ MB or 1.3 GB needed

If a decision is made to change how long to keep the ^BCCD.Xfer.QueueD data, the disk space needs will change accordingly and this calculation should be redone.

3.3.3.3 Calculate Total Disk Space

Add the numbers calculated in the two previous sub-sections. Using the examples above, the calculation will be:

- 6.6 GB (from Section 3.3.3.1) + 1.3 GB (from Section 3.3.3.2) = 7.9 GB needed

This is the maximum amount of additional disk space that will be needed. Once the data compiled for the original upload of CCDA documents becomes older than the value of DAYS KEEP TRANSMISSION ENTRIES, it will be purged and the disk space utilization will stabilize around the number calculated in Section 3.3.3.2. However, if the number of patients whose data changes on a daily basis increases in the future, it can affect the disk space requirements.

3.3.4 Disk Space for the CCDA Audit Log

For audit purposes, the CCDA application keeps a log of each CCDA document. The CCDA audit log data is stored in the global ^BCCD.Audit.AuditD. Instructions for accessing and viewing the audit log data can be found in the CCDA Security Manual.

To calculate how much disk space will be required to maintain the CCDA Audit Log, estimate how many CCDA documents will be generated on a daily basis. As this can be difficult to predict, an assumption can be made and later re-evaluated after CCDA has been running for some time. You will be able to examine the utilization pattern by checking the CCDA Audit Log, which lets you search by request date.

The average audit log entry occupies about 0.26 KB in the database. Assuming that there are 1000 CCDA documents generated per day, the daily disk space requirements will be:

- $1000 * 0.26 = 260$ KB per day

Multiplying this number by the number of business days in one year, we get:

- $260 * 250 = 65,000$ KB or 63.8 MB per year

This information is stored in the globals ^BCCD.Audit.AuditLogD and ^BCCD.Audit.AuditLogI. Prior to patch 6, these globals were stored in the new CCDA database, which is described below. Starting with patch 6, these globals are stored in the RPMS database. The audit information is expected to be kept on file for six years due to government data retention requirements.

3.4 Journaling

3.4.1 Impact of Regular CCDA Operations on Journaling

Most of the globals used by the BCCD package should not be journaled. The exceptions to this rule are the audit log globals in patch 6 and later. Not journaling the remaining globals is accomplished by disabling journaling in the new CCDA database at post-install time as described later in this document.

Nonetheless, the CCDA Ensemble production will do a limited amount of journaling even when the CCDA database is set up not to be journaled. This additional journaling is estimated to contribute 2–3 KB per processed CCDA document. Depending on whether your site participates in the IHS HIE, see the appropriate section below to determine the estimated impact of the CCDA application on journaling at your site.

3.4.2 Impact on Journaling at Sites within the IHS HIE

If your site is a part of the IHS HIE, there will be a spike in journaling activity immediately after the CCDA application is onboarded due to the initial generation and upload of CCDA documents to the outside repository. Calculate the additional disk space which will be consumed by taking the number of patient records in your RPMS database and multiplying it by 3 KB.

Using the same number of patients as in the example in Section 3.3.3.1, the amount of disk space would be:

- $(131584*3)/1024 = 385.5$ MB needed during the original upload

Once the journal files created during the initial upload have been auto-purged based on your site's journal purging settings, the impact of the CCDA application on journaling will be limited to the activity during the nightly upload job and the requests coming from the EHR GUI. This impact will be determined by the number of patient records updated within RPMS daily and by the number of times CCDA documents are requested within the EHR GUI during the day.

For example, if the expected patient records to be updated daily is 3,000 and another 200 CCDAAs requested by the EHR GUI, the additional disk space consumed by journaling will be:

- $(3200*3)/1024 = 9.375$ MB needed daily

3.4.3 Impact on Journaling at RPMS Sites not in the IHS HIE

If your site is not a part of the IHS HIE at this time, then the impact of the CCDA application on journaling will be limited to the requests coming from the EHR GUI. This impact will be determined by the number of times CCDA documents are requested within the EHR GUI during the day.

Calculate the additional disk space which will be consumed by taking the expected daily number of CCDA lookups within the EHR GUI and multiplying it by 3 KB. For example, if the expected CCDA lookup within the EHR GUI is 200, the additional disk space consumed by journaling will be:

- $(200*3)/1024 = 0.58$ MB daily

4.0 Installation Instructions

This section contains instructions for configuring your environment for CCDA and installing the application. If you are re-installing the CCDA application in an environment where the configuration has already been performed, then skip the configuration steps and start at Section 4.6.

Note: The KIDS installation process will create a new CCDA namespace, database, and production automatically and set up the appropriate mappings between the RPMS and CCDA namespaces. You should not create the new namespace, database, or production manually.

4.1 Pre-Installation Instructions

1. Refer to the Installation Steps and the Sample Installation sections below for the applicable prompts and user responses. User responses appear in bold type.
2. Download file bccd0100.k from the anonymous FTP directory.
3. Review all test and demo patients in your RPMS database and make sure that their social security numbers start with five zeroes. This will ensure that CCDA documents are not generated for test/demo patients.
4. Ensure that the site manager's accounts that are used to restart TaskMan manually have the Ensemble role %All. If this is not done, CCDA will not run whenever TaskMan is restarted manually.

If the user account that was used to start TaskMan does not have the %All role, then you will need to do one of the following:

- a. Assign the %All role to the user account, then stop and restart TaskMan.
- b. Stop TaskMan, then restart it as a different user which has the %All role.

In either case, when you stop TaskMan you must stop the sub-managers, so all the TaskMan processes have the %All role.

4.2 Enable Long Strings

The CCDA software requires that Long Strings be enabled in Ensemble. If Long Strings are not enabled, you will not be able to install the CCDA KIDS build.

Check the current status of the Long Strings setting and, if necessary, change it by following the steps below.

1. Sign on to Ensemble's Management Portal.

2. Click on **System Administration** at the bottom of the left column. Then click **Configuration >> | System Configuration >> | Memory and Startup.**

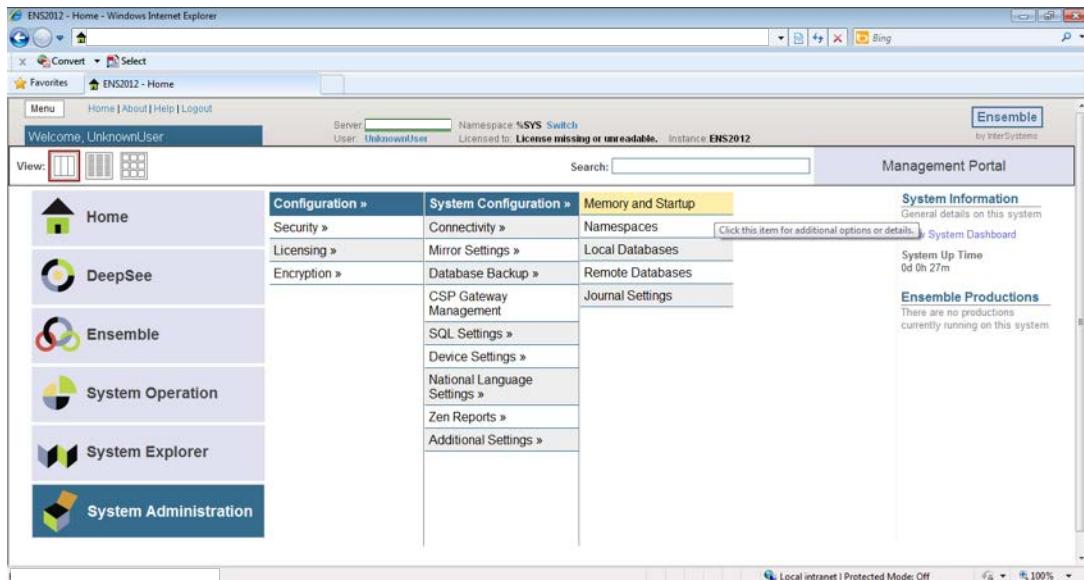


Figure 4-1:Management Portal, **Memory and Startup** option

3. If the **Enable Long Strings** check box at the bottom of the screen is checked, then Long Strings are already enabled; skip to Section 4.3.
4. Select the **Enable Long Strings** check box and click **Save**.

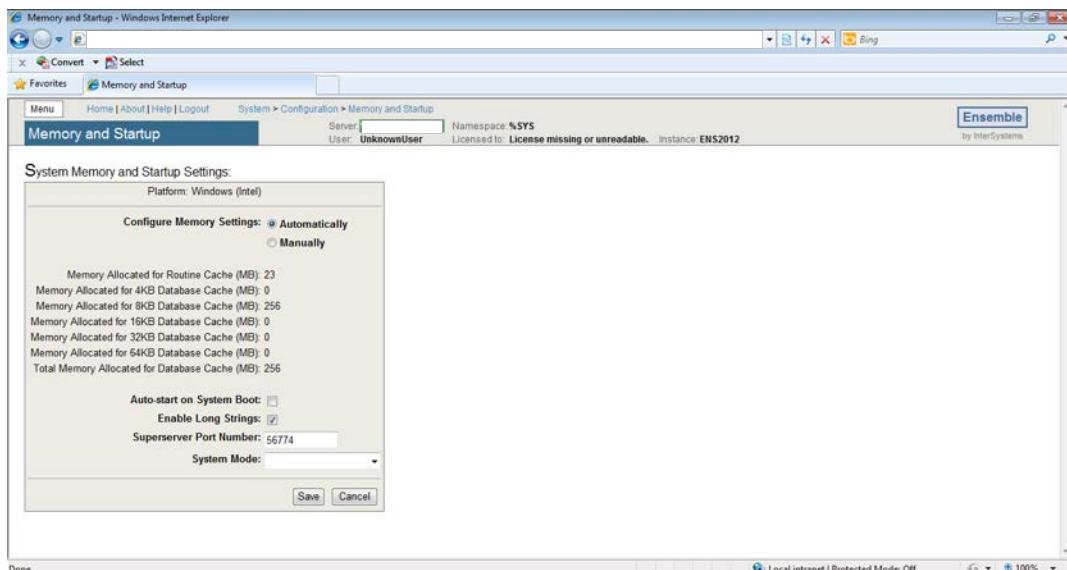


Figure 4-2: Memory and Startup

5. If Long Strings in step 4 above had to be enabled, then the new settings will not take effect until after Ensemble is restarted. In that case you will not be able to install CCDA until you restart Ensemble. If Long Strings are already enabled, proceed with the next step immediately.

Stopping Ensemble will stop TaskMan and all Ensemble productions, so it should be performed after hours to minimize disruption.

6. Follow the standard procedures for preparing to stop Ensemble.
7. From the Ensemble cube, click **Stop Ensemble**. In the box that appears select **Restart**, then click **OK**.

Note: If there are multiple Ensemble instances running on this server, verify that you are accessing the cube that corresponds to the specific instance of Ensemble that you are installing in.

4.3 Verify Access to Configuration File

The CCDA installation process will modify the Ensemble configuration file and add new database and mapping definitions for the CCDA application. This will require write access to the Ensemble configuration file at installation time.

Sites running Windows should follow the instructions in Section 4.3.1. Sites running AIX, skip Section 4.3.1 and follow the instructions in Section 4.3.2.

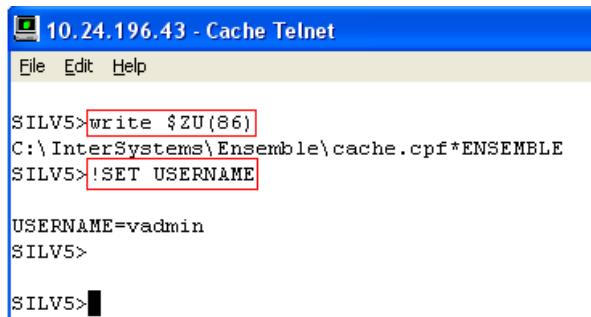
4.3.1 Windows

1. Access the Ensemble prompt in any Ensemble namespace using the user account that you plan to use to perform the CCDA installation. Type the following two commands and record the output for future reference:

TST> **write \$ZU(86)**

TST> **!SET USERNAME**

Figure 4-3 gives an example of what will be shown.



```
SILV5>write $ZU(86)
C:\InterSystems\Ensemble\cache cpf*ENSEMBLE
SILV5>!SET USERNAME

USERNAME=vadmin
SILV5>

SILV5>
```

Figure 4-3: Ensemble prompt

2. Sign on directly onto the RPMS server in order to determine for which groups the selected user is a member. Right-click on **My Computer**, usually located on the desktop, or on the **Start** menu, then select **Manage**. This will bring up the Computer Management screen. On the Computer Management screen, expand **System Tools**, then expand **Local Users and Groups**.

Click **Users**. Right-click on the user name (vadmin in the above example). Select **Properties**, then **Member Of** tab. Record the list of user groups to which this user belongs.

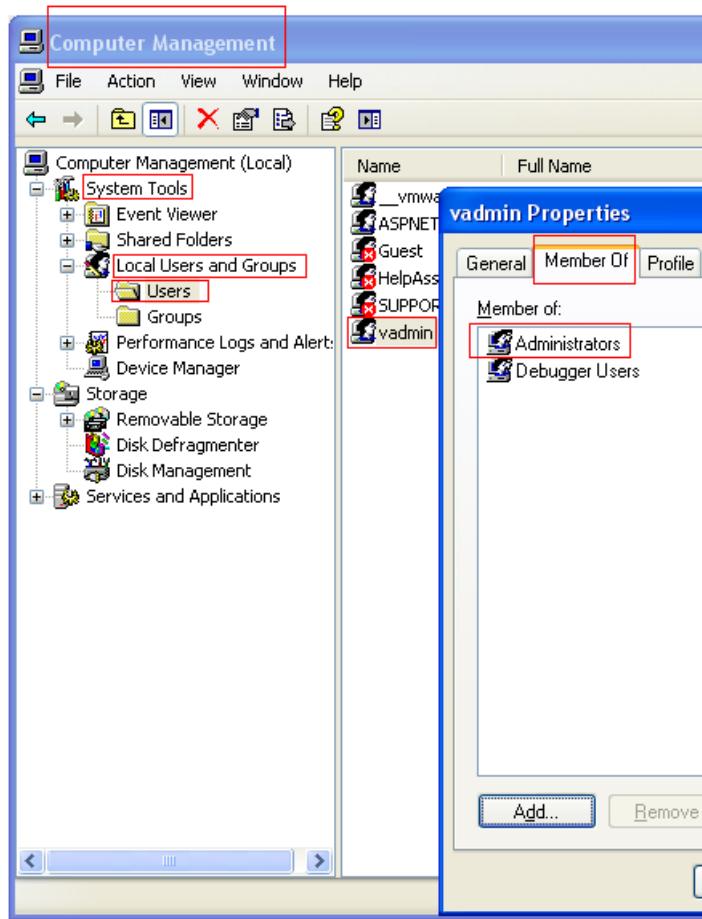


Figure 4-4: Computer Management and **vadmin** Properties

3. In Windows Explorer, navigate to the folder displayed in step 1 next to the **\$ZU(86)** command and find the displayed file name. In the example (Figure 4-3), the file is **cache.cpf**. Right-click on the file and select **Properties**.

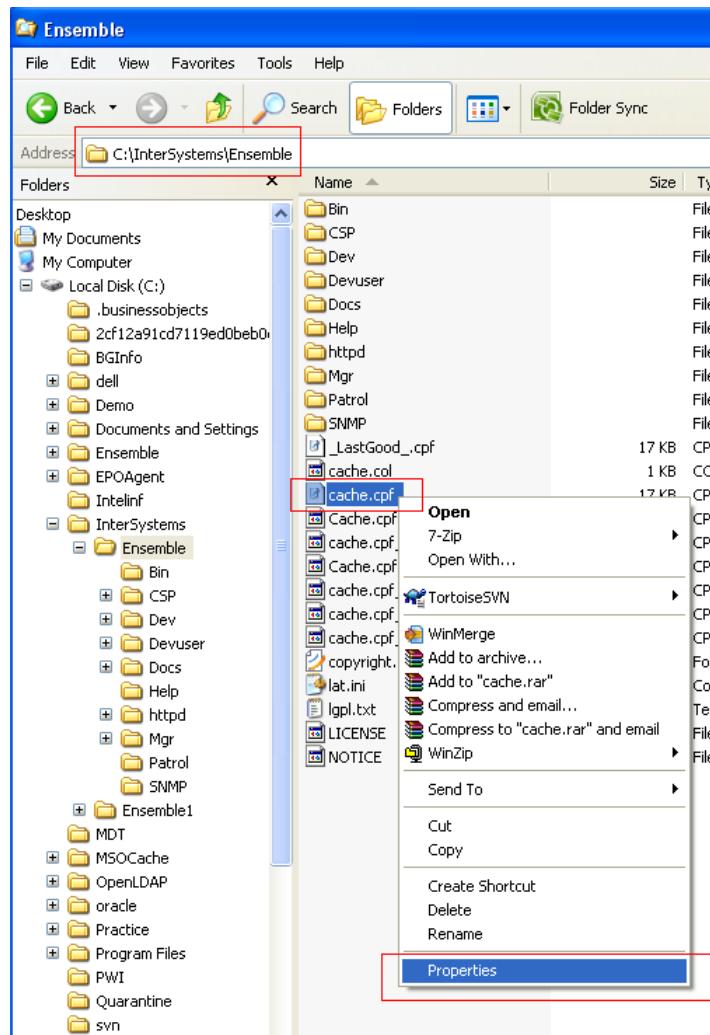


Figure 4-5: Windows Explorer

4. Go to the **Security** tab and verify that either the user has **write** permissions to this file or that one of the groups the user belongs to (as recorded in step 2 above) has **write** permissions.

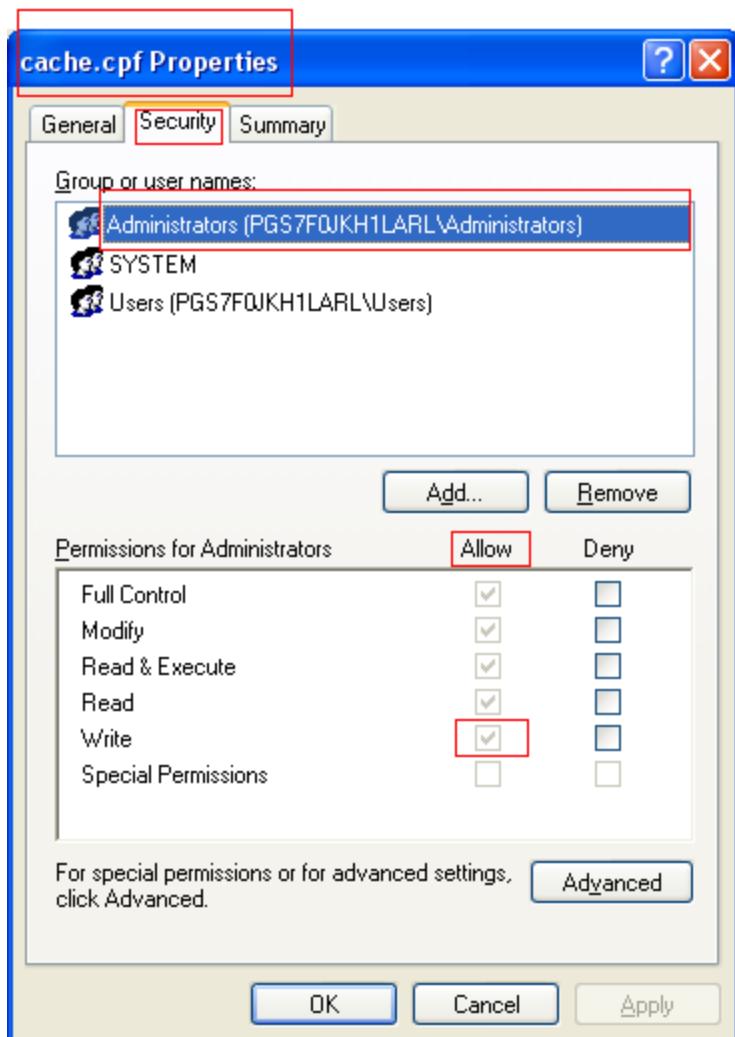


Figure 4-6: **cache.cpf Properties** dialog

In Figure 4-6, user **vadmin** does not appear on the user list. However, **vadmin** is a member of the **Administrators** group, and the **Administrators** group is on the list and has **write** permissions. Therefore, **vadmin** also has write permissions to the file.

5. If the selected user account does not have write permissions to this file, either choose another user account with write permissions or change the current user's permissions or group membership. If attempting to install the CCDA software using a user account that cannot write to this file, the installation process will not proceed and will display an error message.

4.3.2 UNIX/AIX

1. Access the Ensemble prompt in any Ensemble namespace using the user account you plan to use to perform the CCDA installation. Type the following two commands and record the output for future reference:

```
TST> write $ZU(86)  
/opt/cache.cpf*ENSEMBLE
```

```
TST> !whoami  
vadmin
```

2. Log onto the AIX server hosting RPMS as the superuser (“root”). Run the following command and substitute the user name that you identified in step 1 above for vadmin:

```
# > id vadmin  
uid=1004(cacheusr) gid=1004(cacheusr) groups=1004(cacheusr),90(ensemble)
```

Record the list of group membership for this user.

Note: The UIDs and GIDs are specific to the server and will be different on different servers.

3. Change directory to the location of the **cache.cpf** file. In the above example the directory is **/opt**. Do a long directory listing of the file whose name was displayed in step 1 above (cache.cpf in this example):

```
# > cd /opt  
# > ls -al cache.cpf  
-rw-rw-r—1 root cacheusr 13639 2011-05-29 15:37 cache.cpf
```

The meaning of different parts of the line displayed above is as follows:

- -rw-rw-r--: file type and permissions
- 1: the number of links to the file
- root: the owner of the file
- cacheusr: the group that owns the file

Check the AIX main page on the **ls** command for a full description of all the fields in the output.

In the permissions field the first dash indicates that this is a regular file. The next three characters, **rw-**, show the file owner permissions. The following three characters, **rw-**, show the group permissions. The last three characters show the world permissions **r--**, in this case “read only” for users who are not the file owner or a member of the group **cacheusr**.

Notice that in this example user **vadmin** does not own the file **cache.cpf**, but, since the **cacheusr** group has read/write permissions on the file and since **vadmin** is a member of the group **cacheusr**, **vadmin** will be able to write to that file.

4. If **vadmin** does not belong to the group that has read/write permissions, then add **vadmin** user to the group **cacheusr**. Consult your AIX management guide for instructions on how to perform this operation.
5. If the **cacheusr** group does not have permissions to read and write to the file, then, while logged on as the root user (superuser), change the permissions on the file with the following command:

```
# > chmod g+rw cache.cpf
```

4.4 Create a Directory for the CCDA Database

See Section 3.3.2 of this installation guide for instructions on estimating how much disk space will be needed to accommodate the new CCDA database(s). The CCDA installation process will make sure that the directory has at least 500 MB of free space.

Based on the estimated disk space requirements and on how much disk space is available on the storage subsystem, select the disk drive (if running Windows) or file system (if running UNIX/AIX) where each new CCDA database will be installed. Determine the directory path and name that will be used on that drive/file system. If the directory does not exist, create it and verify that Ensemble can read from the directory and write to it. Sections 4.4.1 and 4.4.2 contain instructions for verifying the amount of available disk space and for verifying the directory permissions.

Record the name of the newly created directory, because you will be asked to specify it at KIDS installation time. After the installation process creates the CCDA database in the specified directory, add the newly added database to the list of backed up databases. Consult your documentation or contact OIT for more information on how to add a new database to your backups.

Note: You will need to create a directory and verify the directory permissions once for each RPMS namespace that you have.

Sites running Windows should follow the instructions in Section 4.4.1. Sites running UNIX/AIX should skip Section 4.4.1 and follow the instructions in Section 4.4.2.

4.4.1 Windows

1. Verify the amount of available disk space by performing the following steps:
 - a. Login to Windows as a user with administrative privileges.
 - b. Open Windows Explorer and navigate to **Computer** in the folder list. This should display a list of all the drives on the system and their available free space.
 - c. If the available free space does not display, right-click on the drive you plan to use for the new database and click **Properties** to display the available free space on that drive.
2. Determine the directory permissions of your RPMS database by performing the following steps:
 - a. Sign on to Ensemble's Management Portal.
 - b. Click on **System Administration** at the bottom of the left column. Then click **Configuration >> | System Configuration >> | Local Databases**.

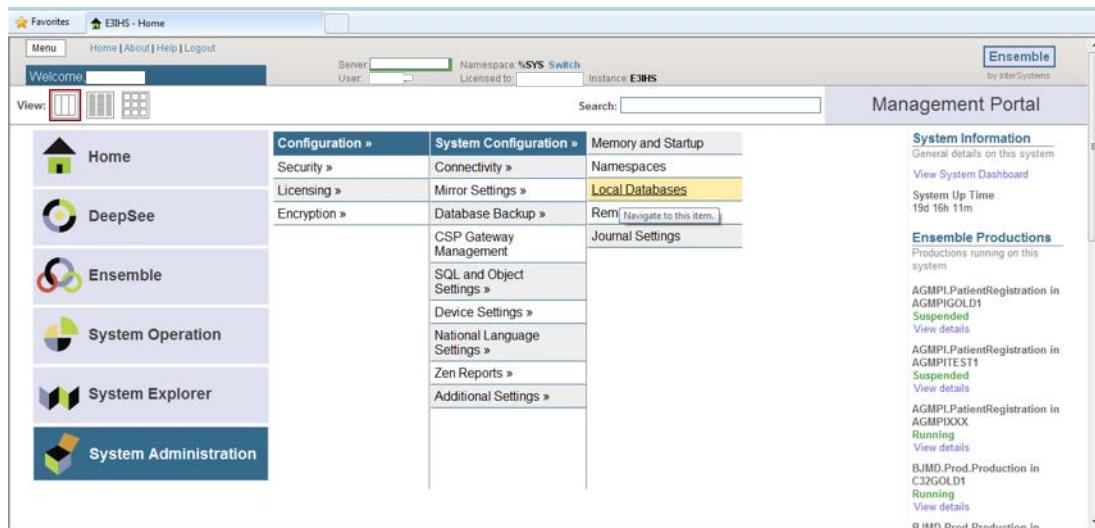


Figure 4-7: Management Portal, Local Databases option

- c. On the Local Databases screen, find the row corresponding to your RPMS database and make a note of the value in the **Directory** column. This value is your RPMS database directory.
- d. Open Windows Explorer and navigate to the parent directory of the RPMS database directory.
- e. Right-click on the RPMS database directory and click **Properties**.
- f. In the **Properties** dialog, click on the **Security** tab.
- g. Leave the **Properties** dialog open. You will need to reference the security values in step 3.

3. Verify that the directory for your new CCDA database has the same permissions by performing the following steps:
 - a. In Windows Explorer, navigate to the parent directory of the CCDA database directory.
 - b. Right-click on the CCDA directory name and click **Properties**.
 - c. Click on the **Security** tab.
 - d. Return to the RPMS directory **Properties** dialog that was left open in the previous step. Click on each entry in the **Group or user names** box and compare the settings in the **Permissions** box with the settings in the **Permissions** box for that same group or user in the CCDA directory **Properties** dialog. If there are any permission differences, click **Edit** on the CCDA directory **Properties** dialog and make the necessary changes. If any group or user is missing from the CCDA directory **Properties** dialog, click **Edit** and add the missing group or user.
 - e. Click **OK** in each **Properties** dialog to save the changes and close the dialog.

4.4.2 UNIX/AIX

1. Verify the amount of available disk space by performing the following steps:
 - a. Login to the UNIX system as a privileged user, then type the following command to become the superuser (“root”) user:
`# > sudo su -`
If the command is not successful, then enter the command without the “sudo” prefix:
`# > su -`
 - b. Type the following command to display all the drives on the system and their available free space:
`# > df -e`
6. Determine the directory permissions of your RPMS database by performing the following steps:
 - a. Sign on to Ensemble’s Management Portal.
 - b. Click on **System Administration** at the bottom of the left column. Then click **Configuration >> | System Configuration >> | Local Databases**.

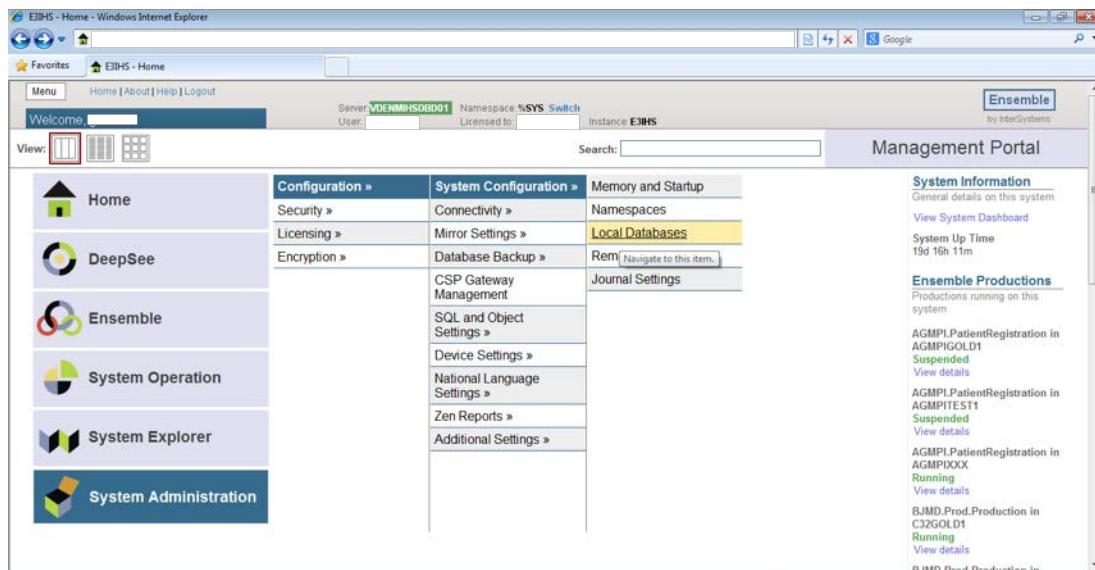


Figure 4-8: Management Portal, Local Databases option

- c. On the Local Databases screen, find the row corresponding to your RPMS database and make a note of the value in the **Directory** column. This value is your RPMS database directory.
- d. Login to the UNIX system as the superuser (“root”)
- e. Type the following command to find the permissions for the RPMS database directory:
 - # > ls -l /usr1/cachedata
 - where /usr1/cachedata is the parent directory of your RPMS database directory.

The system will display one or more lines similar to the following:

drwxrwxrwx	1 user group	4096 RPMS
------------	--------------	-----------

Find the line for your RPMS database directory and note the permissions. In this example, the permissions are “rwxrwxrwx”. The initial “d” indicates this is a directory and may be ignored here.

7. Verify that the directory for your new CCDA database has the same permissions by performing the following steps:
 - a. Login to the UNIX system as the superuser (“root”)
 - b. Type the following command to find the permissions for the RPMS database directory:

```
# > ls -l /usr1/cachedata
```

where **/usr1/cachedata** is the parent directory of your new CCDA database directory.

The system will display one or more lines similar to the following:

- drwxrwxrwx 1 user group 4096 CCDARPMS

Find the line for your CCDA database directory and note the permissions. In this example, the permissions are “rwxrwxrwx”. The initial “d” indicates this is a directory and may be ignored here.

- c. If the directory permissions for the CCDA database directory are not the same as the directory permissions for the RPMS database directory, enter the following command to change the permissions of the CCDA database directory:

```
# > chmod u=rwx,g=rwx,o=rwx /usr1/cachedata/CCDARPMS
```

- **u=rwx** contains the first three characters of the RPMS directory permissions (user permissions)
- **g=rwx** contains the second three characters of the RPMS directory permissions (group permissions)
- **o=rwx** contains the third three characters of the RPMS directory permissions (others permissions)
- **/usr1/cachedata/CCDARPMS** is the name of the new CCDA database directory.

4.5 BMW Global Mapping

One of the checks in the CCDA environmental check routine is that it verifies that the BMW classes are compatible with CCDA. In order for that check to be done the BMW global needs to be mapped from the BMW namespace to the production namespace.

If the global mapping has not already been set up, follow the steps in Appendix C (Global Mappings) of the Practice Management Application Suite (BMW) Installation Guide to set up this mapping.

Figure 4-9 shows the global mapping where the RPMS database name is **GOLD4** and the BMW global mapping is shown after the “<Some rows deleted>” row. The global mappings for namespace GOLD4 are displayed below:

Global	Subscript	Database	
%Z	GOLD4	Edit	Delete
%ZIB	GOLD4	Edit	Delete
%ZIS	GOLD4	Edit	Delete
%ZISL	GOLD4	Edit	Delete
BGPTMP	GOLD4NJ	Edit	Delete
BGPXPA	GOLD4NJ	Edit	Delete
BGPXPE	GOLD4NJ	Edit	Delete
BGUTMP	GOLD4NJ	Edit	Delete
BHLERR	GOLD4NJ	Edit	Delete
BITEMP	GOLD4NJ	Edit	Delete
BITMP	GOLD4NJ	Edit	Delete
<Some rows deleted>			
BMW	BMW	Edit	Delete
BMXTMP	GOLD4NJ	Edit	Delete
BMXTMP	GOLD4NJ	Edit	Delete
BNIRTMP	GOLD4NJ	Edit	Delete
BPCTMP	GOLD4NJ	Edit	Delete
BQIPAT	GOLD4NJ	Edit	Delete

Figure 4-9: BMW Global Mapping

4.6 Stop CCDA

This step should not need to be done unless you are doing a re-install of CCDA 1.0. If CCDA is currently running at your site, you will need to stop CCDA before you can install a new version of the application. If this is the first time installing CCDA, then skip this section and proceed to Section 4.7.

4.6.1 Stop CCDA Transmission Option

1. Navigate to the CCDA menu in RPMS. If the menu from the “OPTION NAME” prompt in RPMS cannot be accessed, it will need to be added to your user settings.

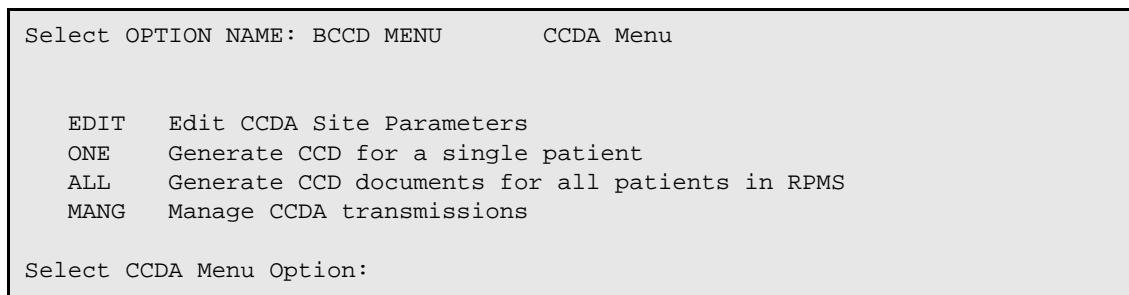


Figure 4-10: Accessing the BCCD Menu

2. From the CCDA menu, select the **MANG** option.

3. The option will first check whether CCDA Messaging is running. If it is not running, you do not need to make any changes. If it is running, type **Y** at the “Stop CCDA?” prompt.

```
Select CCDA Menu Option: MANG  Manage CCDA transmissions
CCDA status:
No configuration problems found

CCDA processing task is running

Stop CCDA? No// Y  (Yes)
Attempting to stop CCDA....CCDA stopped
```

Figure 4-11: Stop CCDA Messaging via the MANG option

4. A message will be received indicating whether CCDA Messaging was stopped. If CCDA Messaging could not be stopped, contact the Help Desk for assistance.

4.6.2 Unschedule the Nightly Upload Task

1. Navigate to the CCDA menu in RPMS.
2. From the CCDA menu, select the **EDIT** option.
3. At the “TIME TO RUN NIGHTLY TASK” prompt, if there is a time entered for this field, make a note of the time as you will need it later (Section 6.6). Then, type @ to delete the time. At the “SURE YOU WANT TO DELETE?” prompt, type **Y** to confirm deletion.
4. Press **ENTER** at the remaining prompts.

```
Select CCDA Menu Option: EDIT  Edit CCDA Site Parameters
Now editing CCDA parameters:

TIME TO RUN NIGHTLY TASK: 08:55// @
    SURE YOU WANT TO DELETE? Y  (Yes)

Now editing CCD (Summarization of Episode Note)-specific parameters:

ADD SOCIAL ENVIRONMENT PROB: YES// 
ADD INACTIVE PERS HISTORY PROB: YES// 
DISCHARGE PLANNER PROV TYPE: WOMEN'S HEALTH CASE MANAGER
    //
Select ALLOWED CS PROVIDER CLASS: OSTEOPATHIC MEDICINE
    //
DAYS KEEP TRANSMISSION ENTRIES: 30// 
REPOSITORY LOCATION: http://www.nowhere.com Replace
ENABLED: YES//
```

Figure 4-12: Unscheduling the Nightly Task via the EDIT option

4.6.3 Stop the CCDA Ensemble Production

1. Sign on to Ensemble's Management Portal as the administrator.
2. At the top center, the main Management Portal page displays the server name, the current user, the current namespace, license and instance information, and a **Switch** link. Click the **Switch** link.

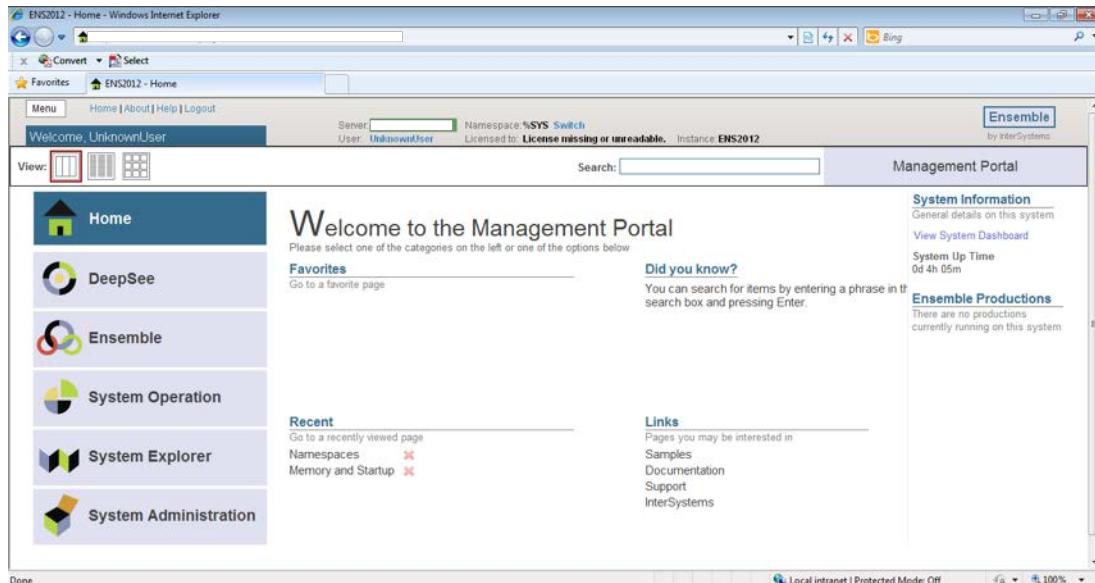


Figure 4-13: Management Portal

In the **Namespace Chooser** box, choose the appropriate CCDA namespace. The namespace will consist of “CCDA” concatenated with the name of your RPMS namespace. For example, if your RPMS namespace is called “GOLD4”, then the associated CCDA namespace will be called “CCDAGOLD4”. Click **OK** to choose the namespace. The namespace displayed on the Management Portal page will be updated to reflect your selection.

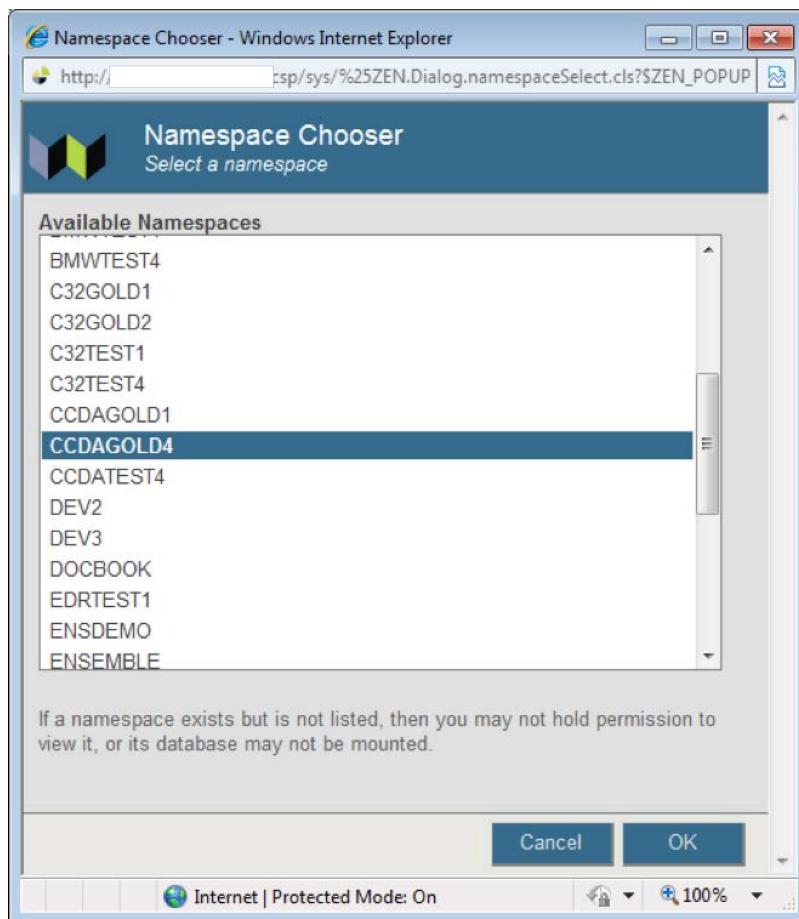


Figure 4-14: **Namespace Chooser**

3. On the main Management Portal page, select **Ensemble** in the left column. Next, select **Configure >> | Production**. When the **View, Edit, Start, or Stop a Production** option displays, click **Go** to display the Production Configuration page.

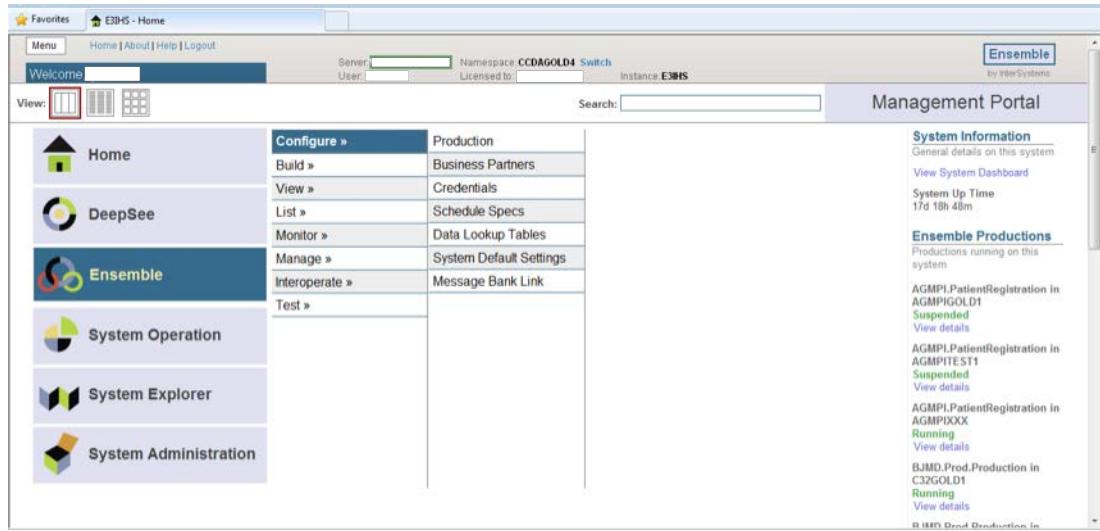


Figure 4-15: Management Portal

- Above the **Services** column on the left, the words “Ensemble Running” will display. If the words “Ensemble Stopped” display, the production is already stopped; skip to Section 4.7.

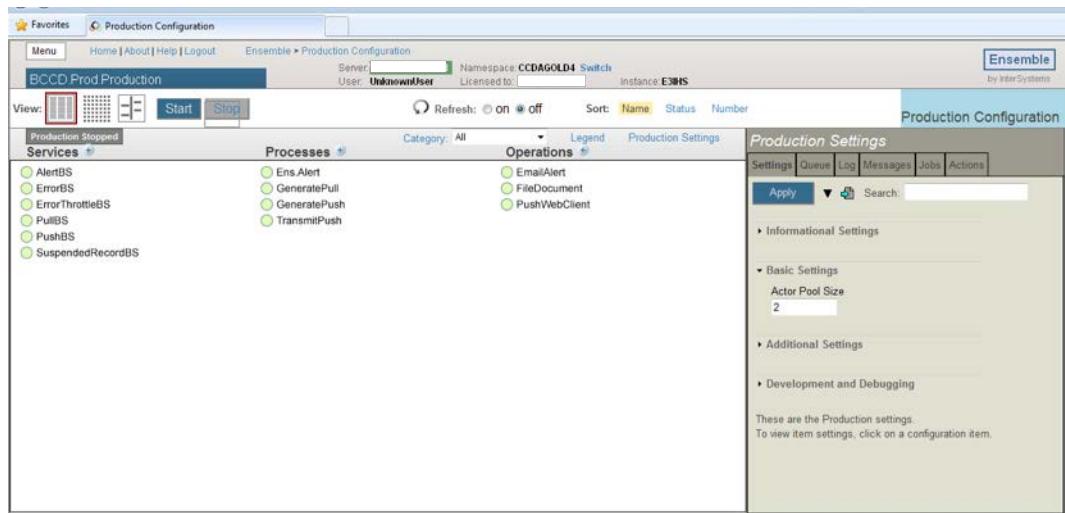


Figure 4-16: Ensemble production in a stopped state

Click **Stop**. It might take the production a few seconds to stop. When it stops, the text shown in Figure 4-17 displays on the screen. There may be additional messages on this screen if it takes Ensemble more than a few seconds to stop all associated processes.

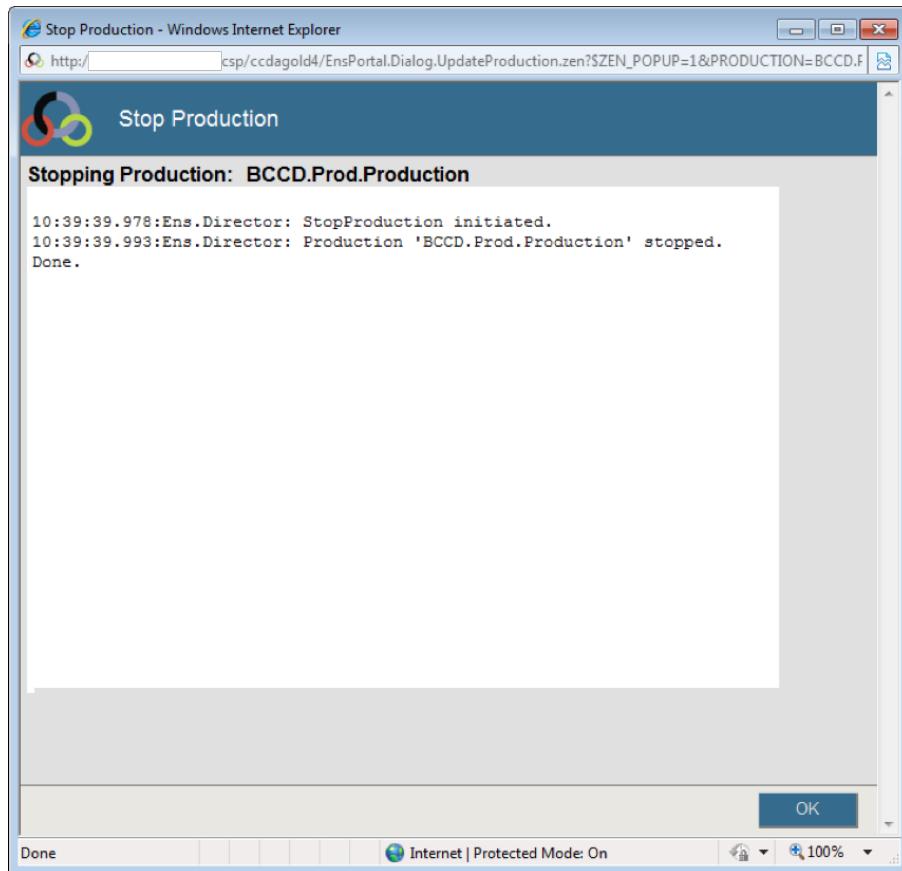


Figure 4-17: Stopping the Ensemble production

5. Click **OK** to return to the Production Configuration screen.

4.7 Install the BCCD 1.0 KIDS Build

Note: If you have multiple RPMS namespaces, you will need to perform this step in all of them, one at a time.

The installation process automatically performs certain steps before and after the KIDS installation. If your site configuration prevents the installation process from performing these steps automatically, the installation process will display a message instructing you to perform the steps manually. Detailed instructions for these steps may be found in Appendix B: Manual Pre-Installation Steps and Appendix C: Manual Post-Installation Steps.

1. Sign on to RPMS in your RPMS namespace. Make sure that you are signed on as an Ensemble administrator and that your Ensemble account has the %All role. If your account does not have the %All role, you will not be able to proceed with the KIDS install.

2. Access the **KIDS** menu options, **XPD MAIN**.
3. From the **KIDS** menu, select the **Installation** menu.
4. From the **Installation** menu, select option **1: Load a Distribution**.
5. Type **bccd0100.k** at the “Enter a Host File” prompt. You might need to precede the file name with the appropriate host path. This file was retrieved from the anonymous directory as part of pre-installation.
6. Type **Yes** (or press ENTER to accept the default) at the “Want to Continue with Load? YES//” prompt.

An environmental check has been added for those systems that may not have an up-to-date version of Ensemble and/or RPMS software. It also makes sure that the server has sufficient disk space. If the check fails, you will not be able to proceed with the installation. Correct the problem or contact the Help Desk if this happens.

7. From the **Installation** menu, select option **2: Verify Checksums in Transport Global**. This option provides a mechanism for ensuring the integrity of your routines. It verifies checksums for the components of the Transport global, and reports any errors uncovered.

Type **CCDA*1.0** as the install name.

8. Optional: At this time, you can elect to exercise one of the following installation options. Please note that these are optional. If you elect to use one of these, use **CCDA*1.0** as the install name.
 - a. Back Up a Transport Global: This option creates a MailMan message that will back up all current routines on your system that would be replaced by this release. (Because this is a new release, no files will be replaced.)
 - b. Compare Transport Global: This option allows you to view all changes that will result from the installation of this patch and compares them with the values currently loaded on your system (routines, data dictionaries, templates, etc.).

Note: Users should be off the system for the Install Package(s) section of the CCDA 1.0 KIDS installation (steps 9–14 below).

9. From the **Installation** menu, select the **Install Package(s)** option.
10. At the “Select Install Name” prompt, type **CCDA*1.0**.

11. At the “Specify the name of the BMW database” prompt, enter the local database name for the BMW database used by that RPMS instance. If BMW was installed per the BMW installation guide, this will be BMW. Get this value by looking at the **Local Databases** in Ensemble’s Management Portal under **System Administration >> Configuration >> System Configuration >> Local Databases**.
12. At the “Specify Full Directory path for the database for new namespace CCDAPRD” prompt (where PRD stands for the name of your RPMS namespace), enter the name of the directory that you created in Section 4.4 of this guide.

Once the directory name is entered, the system will create a new database file in it and configure all necessary settings and mappings. The process will display about two dozen messages on the screen and may take a few minutes to complete. If you are reinstalling this KIDS build and the CCDA database was previously created, this step will be skipped.

13. Respond to the following prompts as indicated:
 - a. At the “Want KIDS to Rebuild Menu Trees Upon Completion of Install? YES//” prompt, type **NO**.
 - b. At the “Want KIDS to INHIBIT LOGONs during the install? YES//” prompt, type **NO**.
 - c. At the “Want to DISABLE Scheduled Options, Menu Options and Protocols? YES//” prompt, type **NO**.
14. When prompted for DEVICE, accept the default if you want the output to display on your screen or enter the name of the printer/file to which the installation output should be redirected.

Note: The output from this installation will generate about 75–80 pages worth of messages. Consider this when selecting the device.

15. The installation process will take a few minutes. When it is complete, exit the **Installation** menu.

Note: There are post-installation instructions that must be followed. Proceed to Section 0 for further information and setup instructions.

5.0 Sample Installations

In this section, user responses appear in bold type.

5.1 Accessing the Installation Menu

```
Select OPTION NAME: XPD MAIN          Kernel Installation & Distribution
System

Edits and Distribution ...
Utilities ...
Installation ...
Patch Monitor Main Menu ...

You have 38 PENDING ALERTS
Enter "VA to jump to VIEW ALERTS option

Select Kernel Installation & Distribution System Option: Installation

1      Load a Distribution
2      Verify Checksums in Transport Global
3      Print Transport Global
4      Compare Transport Global to Current System
5      Backup a Transport Global
6      Install Package(s)
Restart Install of Package(s)
Unload a Distribution

You have 38 PENDING ALERTS
Enter "VA to jump to VIEW ALERTS option

Select Installation Option: 1  Load a Distribution
```

Figure 5-1: Selecting Installation option

5.2 Loading the Distribution

Be sure to select the appropriate path for your system.

```
Enter a Host File: d:\rpms_tst\bccd0100.k

KIDS Distribution saved on Oct 21, 2013@13:28:24
Comment: CCDA 1.0

This Distribution contains Transport Globals for the following Package(s):
Build CCDA 1.0
Distribution OK!

Want to Continue with Load? YES// <ENTER>
Loading Distribution...
```

```

Build CCDA 1.0 has an Environmental Check Routine
Want to RUN the Environment Check Routine? YES// <ENTER>
    CCDA 1.0
Will first run the Environment Check Routine, BCCD1E00

Use INSTALL NAME: CCDA 1.0 to install this Distribution.

```

Figure 5-2: Loading the Distribution for CCDA

5.3 Verifying Checksums in Transport Global

```

Select Installation Option: 2 Verify Checksums in Transport Global
Select INSTALL NAME: CCDA 1.0 Loaded from Distribution Loaded
from Distribution 2/24/14@13:25:08
=> CCDA 1.0 ;Created on Feb 21, 2014@11:15:07

This Distribution was loaded on Feb 24, 2014@13:25:08 with header of
CCDA 1.0 ;Created on Feb 21, 2014@11:15:07
It consisted of the following Install(s):
    CCDA 1.0

Want each Routine Listed with Checksums: Yes// <ENTER> YES
DEVICE: HOME// <ENTER> VT

PACKAGE: CCDA 1.0      Feb 24, 2014 1:25 pm          PAGE 1
-----
BCCD1E00 Calculated     8711876
BCCD1P00 Calculated     106450904
BCCDCLAS Calculated    7110455
BCCDDPT Calculated     35593233
BCCDEDIT Calculated    16989268
BCCDPAT Calculated     73160646
BCCDPUSH Calculated    3806362
BCCDTSK Calculated     11107309
BCCDTX Calculated      81208
BCCDTXA Calculated     44219545
BCCDTXB Calculated     31015445
BCCDTXAC Calculated    31408318
BCCDTXAD Calculated    5493737
BCCDUTIL Calculated    62432729
BCCDUTL1 Calculated    25265754

15 Routines checked, 0 failed.

```

Figure 5-3: Verifying Checksums in Transport Global

5.4 Installing the CCDA Package

The installation output is different for a new installation versus a re-installation.

5.4.1 New Installation

Be sure to enter the correct directory information for your system.

```
Select Installation Option: 6  Install Package(s)
Select INSTALL NAME: CCDA 1.0      Loaded from Distribution      Loaded
from Distribution 2/21/14@09:34:36
=> CCDA 1.0 ;Created on Feb 20, 2014@11:44:07

This Distribution was loaded on Feb 21, 2014@09:34:36 with header of
CCDA 1.0 ;Created on Feb 20, 2014@11:44:07
It consisted of the following Install(s):
    CCDA 1.0
Checking Install for Package CCDA 1.0
Will first run the Environment Check Routine, BCCD1E00

Install Questions for CCDA 1.0

Incoming Files:

    90310.01 BCCD SITE PARAMETERS
Note: You already have the 'BCCD SITE PARAMETERS' File.

    90310.02 BCCD MESSAGE TYPE
Note: You already have the 'BCCD MESSAGE TYPE' File.

    90310.03 BCCD CLASS TRANSPORT (including data)
Note: You already have the 'BCCD CLASS TRANSPORT' File.
I will OVERWRITE your data with mine.

Want KIDS to Rebuild Menu Trees Upon Completion of Install? YES// N NO

Want KIDS to INHIBIT LOGONS during the install? YES// N NO
Want to DISABLE Scheduled Options, Menu Options, and Protocols? YES// N NO

Enter the Device you want to print the Install messages.
You can queue the install by enter a 'Q' at the device prompt.
Enter a '^' to abort the install.

DEVICE: HOME// <ENTER> VT

Install Started for CCDA 1.0 :
Feb 21, 2014@09:35:07

Build Distribution Date: Feb 20, 2014

Installing Routines:

Installing Data Dictionaries:

Installing Data:
```

```
Installing PACKAGE COMPONENTS:  
  
Installing INPUT TEMPLATE  
  
Installing OPTION  
  
Running Post-Install Routine: POST^BCCD1P00  
  
Starting Post-Install Routine  
  
    Creating Taxonomies  
    Updating [BCCD NO LIMIT LOINC CODES] taxonomy...  
  
    Updating BCCD SITE PARAMETERS  
  
    Stopping BCCD background processes  
  
    Running Ensemble Pre-Install Tasks  
Specify the name of the BMW database: BMWGOLD4  
Specify Full Directory path for the database for new namespace CCDAGOLD4:  
k:\ensemble\ccdagold4\  
  
    Import Installer class  
List started on 02/21/2014 09:35:24  
Listing file H:\InterSystems\E3IHS\mgr\Temp\vLJTifNni09Qzig.xml as xml  
List finished successfully.  
  
Load started on 02/21/2014 09:35:24  
Loading file H:\InterSystems\E3IHS\mgr\Temp\UGn7qDJal5Oagw.xml as xml  
Imported class: BCCD.Install.Installer  
Class BCCD.Install.Installer is up-to-date.  
Load finished successfully.  
  
Updating 90310.03 record  
  
    Creating CCDAGOLD4 namespace  
  
    2014-02-21 09:35:39 0 BCCD.Install.Installer: Installation starting at  
2014-02-21 09:35:39, LogLevel=1  
2014-02-21 09:35:39 1 CreateDatabase: Creating database CCDAGOLD4 in  
K:\Ensemble\ccdagold4\ with resource %DB_%DEFAULT  
2014-02-21 09:35:44 1 CreateNamespace: Creating namespace CCDAGOLD4 using  
CCDAGOLD4/CCDAGOLD4  
2014-02-21 09:35:45 1 ActivateConfiguration: Activating Configuration  
2014-02-21 09:35:46 1 GlobalMapping: Adding globalmapping BCCDS to  
CCDAGOLD4 from GOLD4  
2014-02-21 09:35:46 1 GlobalMapping: Adding globalmapping VA(200) to  
CCDAGOLD4 from GOLD4  
2014-02-21 09:35:46 1 ClassMapping: Adding classmapping BMW to CCDAGOLD4  
from BMWGOLD4  
2014-02-21 09:35:46 1 EnableEnsemble: Enabling CCDAGOLD4  
  
Compilation started on 02/21/2014 09:35:56 with qualifiers 'ck', compiling  
6 classes  
Compiling class EnsLib.EDI.ASTM.SearchTable  
Compiling class EnsLib.EDI.EDIFACT.SearchTable
```

```
Compiling class EnsLib.EDI.X12.SearchTable
Compiling class EnsLib.EDI.XML.SearchTable
Compiling class EnsLib.HL7.SearchTable
Compiling class EnsLib.XML.SearchTable
Compiling table EnsLib.EDI_ASTM.SearchTable
Compiling table EnsLib.EDI_EDIFACT.SearchTable
Compiling table EnsLib.EDI_X12.SearchTable
Compiling table EnsLib.EDI_XML.SearchTable
Compiling table EnsLib_HL7.SearchTable
Compiling table EnsLib_XML.SearchTable
Compiling routine EnsLib.EDI.ASTM.SearchTable.1
Compiling routine EnsLib.EDI.EDIFACT.SearchTable.1
Compiling routine EnsLib.EDI.X12.SearchTable.1
Compiling routine EnsLib.EDI.XML.SearchTable.1
Compiling routine EnsLib.HL7.SearchTable.1
Compiling routine EnsLib.XML.SearchTable.1
Compilation finished successfully in 23.81s.
2014-02-21 09:36:21 1 ActivateConfiguration: Activating Configuration
2014-02-21 09:36:24 1 SystemSetting: Setting
Config.Miscellaneous.EnableLongStrings to 1
2014-02-21 09:36:24 1 CreateNamespace: Creating namespace GOLD4 using
GOLD4/GOLD4
2014-02-21 09:36:24 1 ActivateConfiguration: Activating Configuration
2014-02-21 09:36:26 1 GlobalMapping: Adding globalmapping BCCD.Xfer.* to
GOLD4 from CCDAGOLD4
2014-02-21 09:36:26 1 GlobalMapping: Adding globalmapping BCCD.Audit.* to
GOLD4 from CCDAGOLD4
2014-02-21 09:36:26 1 ClassMapping: Adding classmapping BCCD to GOLD4 from
CCDAGOLD4
2014-02-21 09:36:26 1 EnableEnsemble: Enabling GOLD4

Compilation started on 02/21/2014 09:36:34 with qualifiers 'ck', compiling
6 classes
Compiling class EnsLib.EDI.ASTM.SearchTable
Compiling class EnsLib.EDI.EDIFACT.SearchTable
Compiling class EnsLib.EDI.X12.SearchTable
Compiling class EnsLib.EDI.XML.SearchTable
Compiling class EnsLib.HL7.SearchTable
Compiling class EnsLib.XML.SearchTable
Compiling table EnsLib.EDI_ASTM.SearchTable
Compiling table EnsLib.EDI_EDIFACT.SearchTable
Compiling table EnsLib.EDI_X12.SearchTable
Compiling table EnsLib.EDI_XML.SearchTable
Compiling table EnsLib_HL7.SearchTable
Compiling table EnsLib_XML.SearchTable
Compiling routine EnsLib.EDI.ASTM.SearchTable.1
Compiling routine EnsLib.EDI.EDIFACT.SearchTable.1
Compiling routine EnsLib.EDI.X12.SearchTable.1
Compiling routine EnsLib.EDI.XML.SearchTable.1
Compiling routine EnsLib.HL7.SearchTable.1
Compiling routine EnsLib.XML.SearchTable.1
Compilation finished successfully in 74.23s.
2014-02-21 09:37:48 1 ActivateConfiguration: Activating Configuration
2014-02-21 09:37:51 0 BCCD.Install.Installer: Installation succeeded at
2014-02-21 09:37:51
2014-02-21 09:37:51 0 %Installer: Elapsed time 131.287893s
```

```
Delete BCCD package, if it exists

Import BCCD package
List started on 02/21/2014 09:37:52
Listing file H:\InterSystems\E3IHS\mgr\Temp\Uiqik5hIwSTsAw.xml as xml
List finished successfully.

Load started on 02/21/2014 09:37:53
Loading file H:\InterSystems\E3IHS\mgr\Temp\eKP7j9nxPfw3tw.xml as xml
Imported class: BCCD.Audit.AuditLog
Imported class: BCCD.Audit.ErrorThrottle
Imported class: BCCD.CCDA.AD
Imported class: BCCD.CCDAADX
Imported class: BCCD.CCDA.ANY
Imported class: BCCD.CCDA.ANYNonNull
Imported class: BCCD.CCDA.ActClass
Imported class: BCCD.CCDA.ActClassComposition
Imported class: BCCD.CCDA.ActClassCondition
Imported class: BCCD.CCDA.ActClassContract
Imported class: BCCD.CCDA.ActClassControlAct
Imported class: BCCD.CCDA.ActClassDocument
Imported class: BCCD.CCDA.ActClassEntry
Imported class: BCCD.CCDA.ActClassExtract
Imported class: BCCD.CCDA.ActClassFinancialContract
Imported class: BCCD.CCDA.ActClassObservation
Imported class: BCCD.CCDA.ActClassObservationSeries
Imported class: BCCD.CCDA.ActClassOrganizer
Imported class: BCCD.CCDA.ActClassPublicHealthCase
Imported class: BCCD.CCDA.ActClassROI
Imported class: BCCD.CCDA.ActClassRoot
Imported class: BCCD.CCDA.ActClassSupply
Imported class: BCCD.CCDA.ActClinicalDocument
Imported class: BCCD.CCDA.ActContainer
Imported class: BCCD.CCDA.ActMood
Imported class: BCCD.CCDA.ActMoodCompletionTrack
Imported class: BCCD.CCDA.ActMoodIntent
Imported class: BCCD.CCDA.ActMoodPredicate
Imported class: BCCD.CCDA.ActRelationshipAccounting
Imported class: BCCD.CCDA.ActRelationshipConditional
Imported class: BCCD.CCDA.ActRelationshipCostTracking
Imported class: BCCD.CCDA.ActRelationshipExcerpt
Imported class: BCCD.CCDA.ActRelationshipFulfils
Imported class: BCCD.CCDA.ActRelationshipHasComponent
Imported class: BCCD.CCDA.ActRelationshipObjective
Imported class: BCCD.CCDA.ActRelationshipOutcome
Imported class: BCCD.CCDA.ActRelationshipPertains
Imported class: BCCD.CCDA.ActRelationshipPosting
Imported class: BCCD.CCDA.ActRelationshipReason
Imported class: BCCD.CCDA.ActRelationshipReplacement
Imported class: BCCD.CCDA.ActRelationshipSequel
Imported class: BCCD.CCDA.ActRelationshipType
Imported class: BCCD.CCDA.AdditionalLocator
Imported class: BCCD.CCDA.AddressPartType
Imported class: BCCD.CCDA.AddressUse
Imported class: BCCD.CCDA.ApplicationMediaType
Imported class: BCCD.CCDA.AskedButUnknown
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Imported class: BCCD.CCDA.AudioMediaType
Imported class: BCCD.CCDA.BIN
Imported class: BCCD.CCDA.BL1
Imported class: BCCD.CCDA.BN1
Imported class: BCCD.CCDA.BXITCD
Imported class: BCCD.CCDA.BXITIVLPQ
Imported class: BCCD.CCDA.BinaryDataEncoding
Imported class: BCCD.CCDA.BuildingNumber
Imported class: BCCD.CCDA.CD
Imported class: BCCD.CCDA.CE
Imported class: BCCD.CCDA.CE1
Imported class: BCCD.CCDA.CR
Imported class: BCCD.CCDA.CS1
Imported class: BCCD.CCDA.CV
Imported class: BCCD.CCDA.CalendarCycle
Imported class: BCCD.CCDA.CalendarCycleOneLetter
Imported class: BCCD.CCDA.CalendarCycleTwoLetter
Imported class: BCCD.CCDA.Classes
Imported class: BCCD.CCDA.CommunicationFunctionType
Imported class: BCCD.CCDA.CompressionAlgorithm
Imported class: BCCD.CCDA.ContextControl
Imported class: BCCD.CCDA.ContextControlAdditive
Imported class: BCCD.CCDA.ContextControlNonPropagating
Imported class: BCCD.CCDA.ContextControlOverriding
Imported class: BCCD.CCDA.ContextControlPropagating
Imported class: BCCD.CCDA.Currency
Imported class: BCCD.CCDA.DeliveryAddressLine
Imported class: BCCD.CCDA.ED
Imported class: BCCD.CCDA.EIVL.event
Imported class: BCCD.CCDA.EIVLPPDTS
Imported class: BCCD.CCDA.EIVLTS
Imported class: BCCD.CCDA.EN
Imported class: BCCD.CCDA.ENXP
Imported class: BCCD.CCDA.EntityClass
Imported class: BCCD.CCDA.EntityClassContainer
Imported class: BCCD.CCDA.EntityClassDevice
Imported class: BCCD.CCDA.EntityClassLivingSubject
Imported class: BCCD.CCDA.EntityClassManufacturedMaterial
Imported class: BCCD.CCDA.EntityClassMaterial
Imported class: BCCD.CCDA.EntityClassNonPersonLivingSubject
Imported class: BCCD.CCDA.EntityClassOrganization
Imported class: BCCD.CCDA.EntityClassPlace
Imported class: BCCD.CCDA.EntityClassRoot
Imported class: BCCD.CCDA.EntityDeterminer
Imported class: BCCD.CCDA.EntityDeterminerDetermined
Imported class: BCCD.CCDA.EntityNamePartQualifier
Imported class: BCCD.CCDA.EntityNamePartType
Imported class: BCCD.CCDA.EntityNameSearchUse
Imported class: BCCD.CCDA.EntityNameUse
Imported class: BCCD.CCDA.GLISTPQ
Imported class: BCCD.CCDA.GLISTTS
Imported class: BCCD.CCDA.GregorianCalendarCycle
Imported class: BCCD.CCDA.HXITCE
Imported class: BCCD.CCDA.HXITPQ
Imported class: BCCD.CCDA.HomeAddressUse
Imported class: BCCD.CCDA.II
Imported class: BCCD.CCDA.INT1
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Imported class: BCCD.CCDA.IVLINT
Imported class: BCCD.CCDA.IVLMO
Imported class: BCCD.CCDA.IVLPPDPQ
Imported class: BCCD.CCDA.IVLPPDTS
Imported class: BCCD.CCDA.IVLPQ
Imported class: BCCD.CCDA.IVLREAL
Imported class: BCCD.CCDA.IVLTS
Imported class: BCCD.CCDA.IVXBINT
Imported class: BCCD.CCDA.IVXBMO
Imported class: BCCD.CCDA.IVXBPPDPQ
Imported class: BCCD.CCDA.IVXBPPDTS
Imported class: BCCD.CCDA.IVXBPO
Imported class: BCCD.CCDA.IVXBREAL
Imported class: BCCD.CCDA.IVXBTS
Imported class: BCCD.CCDA.ImageMediaType
Imported class: BCCD.CCDA.IntegrityCheckAlgorithm
Imported class: BCCD.CCDA.LicensedEntityRole
Imported class: BCCD.CCDA.MO
Imported class: BCCD.CCDA.MediaType
Imported class: BCCD.CCDA.ModelMediaType
Imported class: BCCD.CCDA.MultipartMediaType
Imported class: BCCD.CCDA.NamePseudonymUse
Imported class: BCCD.CCDA.NameRepresentationUse
Imported class: BCCD.CCDA.NoInformation
Imported class: BCCD.CCDA.NullFlavor
Imported class: BCCD.CCDA.ON
Imported class: BCCD.CCDA.OrganizationNamePartQualifier
Imported class: BCCD.CCDA.OrganizationNameUse
Imported class: BCCD.CCDA.Other
Imported class: BCCD.CCDA.PIVLPPDTS
Imported class: BCCD.CCDA.PIVLTS
Imported class: BCCD.CCDA.PN
Imported class: BCCD.CCDA.POCDMT000040.Act
Imported class: BCCD.CCDA.POCDMT000040.AssignedAuthor
Imported class: BCCD.CCDA.POCDMT000040.AssignedCustodian
Imported class: BCCD.CCDA.POCDMT000040.AssignedEntity
Imported class: BCCD.CCDA.POCDMT000040.AssociatedEntity
Imported class: BCCD.CCDA.POCDMT000040.Authenticator
Imported class: BCCD.CCDA.POCDMT000040.Author
Imported class: BCCD.CCDA.POCDMT000040.AuthoringDevice
Imported class: BCCD.CCDA.POCDMT000040.Authorization
Imported class: BCCD.CCDA.POCDMT000040.Birthplace
Imported class: BCCD.CCDA.POCDMT000040.ClinicalDocument
Imported class: BCCD.CCDA.POCDMT000040.Component1
Imported class: BCCD.CCDA.POCDMT000040.Component2
Imported class: BCCD.CCDA.POCDMT000040.Component3
Imported class: BCCD.CCDA.POCDMT000040.Component4
Imported class: BCCD.CCDA.POCDMT000040.Component5
Imported class: BCCD.CCDA.POCDMT000040.Consent
Imported class: BCCD.CCDA.POCDMT000040.Consumable
Imported class: BCCD.CCDA.POCDMT000040.Criterion
Imported class: BCCD.CCDA.POCDMT000040.Custodian
Imported class: BCCD.CCDA.POCDMT000040.CustodianOrganization
Imported class: BCCD.CCDA.POCDMT000040.DataEnterer
Imported class: BCCD.CCDA.POCDMT000040.Device
Imported class: BCCD.CCDA.POCDMT000040.DocumentationOf
Imported class: BCCD.CCDA.POCDMT000040.EncompassingEncounter
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Imported class: BCCD.CCDA.POCDMT000040.Encounter
Imported class: BCCD.CCDA.POCDMT000040.EncounterParticipant
Imported class: BCCD.CCDA.POCDMT000040.Entity
Imported class: BCCD.CCDA.POCDMT000040.Entry
Imported class: BCCD.CCDA.POCDMT000040.EntryRelationship
Imported class: BCCD.CCDA.POCDMT000040.ExternalAct
Imported class: BCCD.CCDA.POCDMT000040.ExternalDocument
Imported class: BCCD.CCDA.POCDMT000040.ExternalObservation
Imported class: BCCD.CCDA.POCDMT000040.ExternalProcedure
Imported class: BCCD.CCDA.POCDMT000040.Guardian
Imported class: BCCD.CCDA.POCDMT000040.HealthCareFacility
Imported class: BCCD.CCDA.POCDMT000040.InFulfillmentOf
Imported class: BCCD.CCDA.POCDMT000040.Informant12
Imported class: BCCD.CCDA.POCDMT000040.InformationRecipient
Imported class: BCCD.CCDA.POCDMT000040.InfrastructureRoot.typeId
Imported class: BCCD.CCDA.POCDMT000040.IntendedRecipient
Imported class: BCCD.CCDA.POCDMT000040.LabeledDrug
Imported class: BCCD.CCDA.POCDMT000040.LanguageCommunication
Imported class: BCCD.CCDA.POCDMT000040.LegalAuthenticator
Imported class: BCCD.CCDA.POCDMT000040.Location
Imported class: BCCD.CCDA.POCDMT000040.MaintainedEntity
Imported class: BCCD.CCDA.POCDMT000040.ManufacturedProduct
Imported class: BCCD.CCDA.POCDMT000040.Material
Imported class: BCCD.CCDA.POCDMT000040.NonXMLBody
Imported class: BCCD.CCDA.POCDMT000040.Observation
Imported class: BCCD.CCDA.POCDMT000040.ObservationMedia
Imported class: BCCD.CCDA.POCDMT000040.ObservationRange
Imported class: BCCD.CCDA.POCDMT000040.Order
Imported class: BCCD.CCDA.POCDMT000040.Organization
Imported class: BCCD.CCDA.POCDMT000040.OrganizationPartOf
Imported class: BCCD.CCDA.POCDMT000040.Organizer
Imported class: BCCD.CCDA.POCDMT000040.ParentDocument
Imported class: BCCD.CCDA.POCDMT000040.Participant1
Imported class: BCCD.CCDA.POCDMT000040.Participant2
Imported class: BCCD.CCDA.POCDMT000040.ParticipantRole
Imported class: BCCD.CCDA.POCDMT000040.Patient
Imported class: BCCD.CCDA.POCDMT000040.PatientRole
Imported class: BCCD.CCDA.POCDMT000040.Performer1
Imported class: BCCD.CCDA.POCDMT000040.Performer2
Imported class: BCCD.CCDA.POCDMT000040.Person
Imported class: BCCD.CCDA.POCDMT000040.Place
Imported class: BCCD.CCDA.POCDMT000040.PlayingEntity
Imported class: BCCD.CCDA.POCDMT000040.Precondition
Imported class: BCCD.CCDA.POCDMT000040.Procedure
Imported class: BCCD.CCDA.POCDMT000040.Product
Imported class: BCCD.CCDA.POCDMT000040.RecordTarget
Imported class: BCCD.CCDA.POCDMT000040.Reference
Imported class: BCCD.CCDA.POCDMT000040.ReferenceRange
Imported class: BCCD.CCDA.POCDMT000040.RegionOfInterest
Imported class: BCCD.CCDA.POCDMT000040.RegionOfInterest.value
Imported class: BCCD.CCDA.POCDMT000040.RelatedDocument
Imported class: BCCD.CCDA.POCDMT000040.RelatedEntity
Imported class: BCCD.CCDA.POCDMT000040.RelatedSubject
Imported class: BCCD.CCDA.POCDMT000040.ResponsibleParty
Imported class: BCCD.CCDA.POCDMT000040.Section
Imported class: BCCD.CCDA.POCDMT000040.ServiceEvent
Imported class: BCCD.CCDA.POCDMT000040.Specimen
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Imported class: BCCD.CCDA.POCDMT000040.SpecimenRole
Imported class: BCCD.CCDA.POCDMT000040.StructuredBody
Imported class: BCCD.CCDA.POCDMT000040.Subject
Imported class: BCCD.CCDA.POCDMT000040.SubjectPerson
Imported class: BCCD.CCDA.POCDMT000040.SubstanceAdministration
Imported class: BCCD.CCDA.POCDMT000040.Supply
Imported class: BCCD.CCDA.PPDPQ
Imported class: BCCD.CCDA.PPDTS
Imported class: BCCD.CCDA.PQ
Imported class: BCCD.CCDA.PQR
Imported class: BCCD.CCDA.ParticipationAncillary
Imported class: BCCD.CCDA.ParticipationIndirectTarget
Imported class: BCCD.CCDA.ParticipationInformationGenerator
Imported class: BCCD.CCDA.ParticipationInformationRecipient
Imported class: BCCD.CCDA.ParticipationPhysicalPerformer
Imported class: BCCD.CCDA.ParticipationTargetDevice
Imported class: BCCD.CCDA.ParticipationTargetDirect
Imported class: BCCD.CCDA.ParticipationTargetLocation
Imported class: BCCD.CCDA.ParticipationTargetSubject
Imported class: BCCD.CCDA.ParticipationType
Imported class: BCCD.CCDA.ParticipationVerifier
Imported class: BCCD.CCDA.PersonNamePartAffixTypes
Imported class: BCCD.CCDA.PersonNamePartChangeQualifier
Imported class: BCCD.CCDA.PersonNamePartMiscQualifier
Imported class: BCCD.CCDA.PersonNamePartQualifier
Imported class: BCCD.CCDA.PersonNameUse
Imported class: BCCD.CCDA.PostalAddressUse
Imported class: BCCD.CCDA.ProbabilityDistributionType
Imported class: BCCD.CCDA.QTY
Imported class: BCCD.CCDA.REAL1
Imported class: BCCD.CCDA.RTOMOPQ
Imported class: BCCD.CCDA.RTOPQPQ
Imported class: BCCD.CCDA.RTOQTYQTY
Imported class: BCCD.CCDA.RelatedLinkType
Imported class: BCCD.CCDA.RoleClass
Imported class: BCCD.CCDA.RoleClassAgent
Imported class: BCCD.CCDA.RoleClassAssignedEntity
Imported class: BCCD.CCDA.RoleClassAssociative
Imported class: BCCD.CCDA.RoleClassContact
Imported class: BCCD.CCDA.RoleClassDistributedMaterial
Imported class: BCCD.CCDA.RoleClassEmployee
Imported class: BCCD.CCDA.RoleClassInactiveIngredient
Imported class: BCCD.CCDA.RoleClassIngredientEntity
Imported class: BCCD.CCDA.RoleClassInvestigationSubject
Imported class: BCCD.CCDA.RoleClassIsSpeciesEntity
Imported class: BCCD.CCDA.RoleClassLocatedEntity
Imported class: BCCD.CCDA.RoleClassManufacturedProduct
Imported class: BCCD.CCDA.RoleClassMutualRelationship
Imported class: BCCD.CCDA.RoleClassOntological
Imported class: BCCD.CCDA.RoleClassPartitive
Imported class: BCCD.CCDA.RoleClassPassive
Imported class: BCCD.CCDA.RoleClassRelationshipFormal
Imported class: BCCD.CCDA.RoleClassRoot
Imported class: BCCD.CCDA.RoleClassServiceDeliveryLocation
Imported class: BCCD.CCDA.RoleClassSpecimen
Imported class: BCCD.CCDA.RoleLinkType
Imported class: BCCD.CCDA.SC
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Imported class: BCCD.CCDA.SLISTPQ
Imported class: BCCD.CCDA.SLISTTS
Imported class: BCCD.CCDA.ST1
Imported class: BCCD.CCDA.SXCMCD
Imported class: BCCD.CCDA.SXCMINT
Imported class: BCCD.CCDA.SXCMMO
Imported class: BCCD.CCDA.SXCMPPDPQ
Imported class: BCCD.CCDA.SXCMPPDTS
Imported class: BCCD.CCDA.SXCMPO
Imported class: BCCD.CCDA.SXCMREAL
Imported class: BCCD.CCDA.SXCMTS
Imported class: BCCD.CCDA.SXPRTS
Imported class: BCCD.CCDA.SetOperator
Imported class: BCCD.CCDA.State
Imported class: BCCD.CCDA.StreetAddressLine
Imported class: BCCD.CCDA.StreetName
Imported class: BCCD.CCDA.StrucDoc.Br
Imported class: BCCD.CCDA.StrucDoc.Caption
Imported class: BCCD.CCDA.StrucDoc.Col
Imported class: BCCD.CCDA.StrucDoc.Colgroup
Imported class: BCCD.CCDA.StrucDoc.Content
Imported class: BCCD.CCDA.StrucDoc.Footnote
Imported class: BCCD.CCDA.StrucDoc.FootnoteRef
Imported class: BCCD.CCDA.StrucDoc.Item
Imported class: BCCD.CCDA.StrucDoc.LinkHtml
Imported class: BCCD.CCDA.StrucDoc.List
Imported class: BCCD.CCDA.StrucDoc.Paragraph
Imported class: BCCD.CCDA.StrucDoc.RenderMultiMedia
Imported class: BCCD.CCDA.StrucDoc.Sub
Imported class: BCCD.CCDA.StrucDoc.Sup
Imported class: BCCD.CCDA.StrucDoc.Table
Imported class: BCCD.CCDA.StrucDoc.Tbody
Imported class: BCCD.CCDA.StrucDoc.Td
Imported class: BCCD.CCDA.StrucDoc.Text
Imported class: BCCD.CCDA.StrucDoc.Tfoot
Imported class: BCCD.CCDA.StrucDoc.Th
Imported class: BCCD.CCDA.StrucDoc.Thead
Imported class: BCCD.CCDA.StrucDoc.Title
Imported class: BCCD.CCDA.StrucDoc.TitleContent
Imported class: BCCD.CCDA.StrucDoc.TitleFootnote
Imported class: BCCD.CCDA.StrucDoc.Tr
Imported class: BCCD.CCDA.TEL
Imported class: BCCD.CCDA.TN
Imported class: BCCD.CCDA.TS1
Imported class: BCCD.CCDA.TelecommunicationAddressUse
Imported class: BCCD.CCDA.TemporallyPertains
Imported class: BCCD.CCDA.TextMediaType
Imported class: BCCD.CCDA.TimingEvent
Imported class: BCCD.CCDA.URL1
Imported class: BCCD.CCDA.URLScheme
Imported class: BCCD.CCDA.UVPTS
Imported class: BCCD.CCDA.Unknown
Imported class: BCCD.CCDA.VideoMediaType
Imported class: BCCD.CCDA.WorkPlaceAddressUse
Imported class: BCCD.CCDA.adxp.additionalLocator
Imported class: BCCD.CCDA.adxp.buildingNumberSuffix
Imported class: BCCD.CCDA.adxp.careOf
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Imported class: BCCD.CCDA.adxp.censusTract
Imported class: BCCD.CCDA.adxp.city
Imported class: BCCD.CCDA.adxp.country
Imported class: BCCD.CCDA.adxp.county
Imported class: BCCD.CCDA.adxp.delimiter
Imported class: BCCD.CCDA.adxp.deliveryAddressLine
Imported class: BCCD.CCDA.adxp.deliveryInstallationArea
Imported class: BCCD.CCDA.adxp.deliveryInstallationQualifier
Imported class: BCCD.CCDA.adxp.deliveryInstallationType
Imported class: BCCD.CCDA.adxp.deliveryMode
Imported class: BCCD.CCDA.adxp.deliveryModeIdentifier
Imported class: BCCD.CCDA.adxp.direction
Imported class: BCCD.CCDA.adxp.houseNumber
Imported class: BCCD.CCDA.adxp.houseNumberNumeric
Imported class: BCCD.CCDA.adxp.postBox
Imported class: BCCD.CCDA.adxp.postalCode
Imported class: BCCD.CCDA.adxp.precinct
Imported class: BCCD.CCDA.adxp.state
Imported class: BCCD.CCDA.adxp.streetAddressLine
Imported class: BCCD.CCDA.adxp.streetName
Imported class: BCCD.CCDA.adxp.streetNameBase
Imported class: BCCD.CCDA.adxp.streetNameType
Imported class: BCCD.CCDA.adxp.unitID
Imported class: BCCD.CCDA.adxp.unitType
Imported class: BCCD.CCDA.bn1
Imported class: BCCD.CCDA.bl
Imported class: BCCD.CCDA.bn
Imported class: BCCD.CCDA.cs
Imported class: BCCD.CCDA.en.delimiter
Imported class: BCCD.CCDA.en.family
Imported class: BCCD.CCDA.en.given
Imported class: BCCD.CCDA.en.prefix
Imported class: BCCD.CCDA.en.suffix
Imported class: BCCD.CCDA.hasSupport
Imported class: BCCD.CCDA.int
Imported class: BCCD.CCDA.listint
Imported class: BCCD.CCDA.oid
Imported class: BCCD.CCDA.probability
Imported class: BCCD.CCDA.real
Imported class: BCCD.CCDA.ruid
Imported class: BCCD.CCDA.setEntityNamePartQualifier
Imported class: BCCD.CCDA.setEntityNameUse
Imported class: BCCD.CCDA.setPostalAddressUse
Imported class: BCCD.CCDA.setTelecommunicationAddressUse
Imported class: BCCD.CCDA.st
Imported class: BCCD.CCDA.thumbnail
Imported class: BCCD.CCDA.ts
Imported class: BCCD.CCDA.uid
Imported class: BCCD.CCDA.url
Imported class: BCCD.CCDA.uuid
Imported class: BCCD.CCDA.xActClassDocumentEntryAct
Imported class: BCCD.CCDA.xActClassDocumentEntryOrganizer
Imported class: BCCD.CCDA.xActMoodDefEvn
Imported class: BCCD.CCDA.xActMoodDefEvnRqoPrmsPrp
Imported class: BCCD.CCDA.xActMoodDocumentObservation
Imported class: BCCD.CCDA.xActMoodEvnOrdPrmsPrp
Imported class: BCCD.CCDA.xActMoodIntentEvent
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Imported class: BCCD.CCDA.xActMoodOrdPrms
Imported class: BCCD.CCDA.xActMoodOrdPrmsEvn
Imported class: BCCD.CCDA.xActMoodRqoPrpAptArq
Imported class: BCCD.CCDA.xActRelationshipDocument
Imported class: BCCD.CCDA.xActRelationshipEntry
Imported class: BCCD.CCDA.xActRelationshipEntryRelationship
Imported class: BCCD.CCDA.xActRelationshipExternalReference
Imported class: BCCD.CCDA.xActRelationshipPatientTransport
Imported class: BCCD.CCDA.xActRelationshipPertinentInfo
Imported class: BCCD.CCDA.xDeterminerInstanceKind
Imported class: BCCD.CCDA.xDocumentActMood
Imported class: BCCD.CCDA.xDocumentEncounterMood
Imported class: BCCD.CCDA.xDocumentEntrySubject
Imported class: BCCD.CCDA.xDocumentProcedureMood
Imported class: BCCD.CCDA.xDocumentSubject
Imported class: BCCD.CCDA.xDocumentSubstanceMood
Imported class: BCCD.CCDA.xEncounterParticipant
Imported class: BCCD.CCDA.xEncounterPerformerParticipation
Imported class: BCCD.CCDA.xEntityClassDocumentReceiving
Imported class: BCCD.CCDA.xEntityClassPersonOrOrgReceiving
Imported class: BCCD.CCDA.xInformationRecipient
Imported class: BCCD.CCDA.xInformationRecipientRole
Imported class: BCCD.CCDA.xOrganizationNamePartType
Imported class: BCCD.CCDA.xParticipationAuthorPerformer
Imported class: BCCD.CCDA.xParticipationEntVrf
Imported class: BCCD.CCDA.xParticipationPrfEntVrf
Imported class: BCCD.CCDA.xParticipationVrfRespSprfWit
Imported class: BCCD.CCDA.xPersonNamePartType
Imported class: BCCD.CCDA.xRoleClassAccommodationRequestor
Imported class: BCCD.CCDA.xRoleClassCoverage
Imported class: BCCD.CCDA.xRoleClassCoverageInvoice
Imported class: BCCD.CCDA.xRoleClassCredentialedEntity
Imported class: BCCD.CCDA.xRoleClassPayeePolicyRelationship
Imported class: BCCD.CCDA.xServiceEventPerformer
Imported class: BCCD.Install.Installer
Imported class: BCCD.Install.PostInstallTask
Imported class: BCCD.Install.PreInstallTask
Imported class: BCCD.Install.ProductionSettings
Imported class: BCCD.Prod.Adapters.AlertInbound
Imported class: BCCD.Prod.Adapters.CompiledRecordInbound
Imported class: BCCD.Prod.Adapters.ErrorRecordInbound
Imported class: BCCD.Prod.Adapters.ErrorThrottleInbound
Imported class: BCCD.Prod.Adapters.SuspendedRecordInbound
Imported class: BCCD.Prod.Alert.AlertItem
Imported class: BCCD.Prod.Build.CCD
Imported class: BCCD.Prod.Build.DTL.AllergyComponent
Imported class: BCCD.Prod.Build.DTL.AllergyEntry
Imported class: BCCD.Prod.Build.DTL.CareTeamComponent
Imported class: BCCD.Prod.Build.DTL.CareTeamDocumentationOf
Imported class: BCCD.Prod.Build.DTL.CareTeamEncounterParticipant
Imported class: BCCD.Prod.Build.DTL.CareTeamPerformer
Imported class: BCCD.Prod.Build.DTL.ClinicalDocument
Imported class: BCCD.Prod.Build.DTL.FunctionalStatusComponent
Imported class: BCCD.Prod.Build.DTL.Functions
Imported class: BCCD.Prod.Build.DTL.HospDischargeInstComponent
Imported class: BCCD.Prod.Build.DTL.ImmunizationComponent
Imported class: BCCD.Prod.Build.DTL.ImmunizationEntry
```

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Imported class: BCCD.Prod.Build.DTL.InstructionComponent
Imported class: BCCD.Prod.Build.DTL.InstructionEntry
Imported class: BCCD.Prod.Build.DTL.MedFrequencyFunctions
Imported class: BCCD.Prod.Build.DTL.MedicationComponent
Imported class: BCCD.Prod.Build.DTL.MedicationEntry
Imported class: BCCD.Prod.Build.DTL.ModuleContext
Imported class: BCCD.Prod.Build.DTL.PlanOfCareComponent
Imported class: BCCD.Prod.Build.DTL.ProblemComponent
Imported class: BCCD.Prod.Build.DTL.ProblemEntry
Imported class: BCCD.Prod.Build.DTL.ProblemObservation
Imported class: BCCD.Prod.Build.DTL.ProcedureComponent
Imported class: BCCD.Prod.Build.DTL.ProcedureEntry
Imported class: BCCD.Prod.Build.DTL.ReasonForReferralComponent
Imported class: BCCD.Prod.Build.DTL.ReasonForVisitComponent
Imported class: BCCD.Prod.Build.DTL.ResultComponent
Imported class: BCCD.Prod.Build.DTL.ResultEntry
Imported class: BCCD.Prod.Build.DTL.ResultObservation
Imported class: BCCD.Prod.Build.DTL.SocialHistoryComponent
Imported class: BCCD.Prod.Build.DTL.SocialHistoryEntry
Imported class: BCCD.Prod.Build.DTL.VitalSignComponent
Imported class: BCCD.Prod.Build.DTL.VitalSignEntry
Imported class: BCCD.Prod.Build.DTL.VitalSignObservation
Imported class: BCCD.Prod.Build.Main
Imported class: BCCD.Prod.Messages.DocumentRequest
Imported class: BCCD.Prod.Messages.DocumentResponse
Imported class: BCCD.Prod.Messages.ErrorResponse
Imported class: BCCD.Prod.Messages.QueueIdRequest
Imported class: BCCD.Prod.Messages.StreamRequest
Imported class: BCCD.Prod.Operations.FileDoc
Imported class: BCCD.Prod.Processes.Alert.Context
Imported class: BCCD.Prod.Processes.Alert.Thread1
Imported class: BCCD.Prod.Processes.Alert
Imported class: BCCD.Prod.Processes.BuildDoc.Context
Imported class: BCCD.Prod.Processes.BuildDoc.Thread1
Imported class: BCCD.Prod.Processes.BuildDoc
Imported class: BCCD.Prod.Processes.TransmitPush
Imported class: BCCD.Prod.Production
Imported class: BCCD.Prod.PushWS.Op.PatientRecordReceiverOperationRequest
Imported class: BCCD.Prod.PushWS.Op.PatientRecordReceiverOperationResponse
Imported class: BCCD.Prod.PushWS.Op.PatientRecordReceiverPort
Imported class:
BCCD.Prod.PushWS.PatientRecordReceiverPort.PatientRecordReceiverOperation
Imported class: BCCD.Prod.PushWS.PatientRecordReceiverPort
Imported class: BCCD.Prod.PushWS.ns.DocumentComplexType
Imported class: BCCD.Prod.PushWS.ns.DocumentContent
Imported class: BCCD.Prod.PushWS.ns.DocumentType
Imported class: BCCD.Prod.PushWS.xmime.base64Binary
Imported class: BCCD.Prod.PushWS.xmime.hexBinary
Imported class: BCCD.Prod.Services.Alert
Imported class: BCCD.Prod.Services.ClinicalDocumentService.RetrieveDocument
Imported class: BCCD.Prod.Services.ClinicalDocumentService
Imported class: BCCD.Prod.Services.CompiledRecord
Imported class: BCCD.Prod.Services.ErrorRecord
Imported class: BCCD.Prod.Services.ErrorThrottle
Imported class: BCCD.Prod.Services.SuspendedRecord
Imported class: BCCD.Tasks.Purge
Imported class: BCCD.Tasks.UpdateProductionState
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Imported class: BCCD.Xfer.Address
Imported class: BCCD.Xfer.Allergy
Imported class: BCCD.Xfer.AllergyCode
Imported class: BCCD.Xfer.AllergyReaction
Imported class: BCCD.Xfer.CCDMain
Imported class: BCCD.Xfer.CCDPopulate
Imported class: BCCD.Xfer.CareTeam
Imported class: BCCD.Xfer.FieldTransformations
Imported class: BCCD.Xfer.FunctionalStatus
Imported class: BCCD.Xfer.GeneralHeader
Imported class: BCCD.Xfer.HospitalDischargeInstruction
Imported class: BCCD.Xfer.Immunization
Imported class: BCCD.Xfer.Instruction
Imported class: BCCD.Xfer.InstructionOrganizer
Imported class: BCCD.Xfer.MedDispense
Imported class: BCCD.Xfer.MedFrequency
Imported class: BCCD.Xfer.Medication
Imported class: BCCD.Xfer.Patient
Imported class: BCCD.Xfer.PerformanceData
Imported class: BCCD.Xfer.PersonName
Imported class: BCCD.Xfer.PlanOfCare
Imported class: BCCD.Xfer.PlanOfCareOrganizer
Imported class: BCCD.Xfer.PopAllergy
Imported class: BCCD.Xfer.PopCareTeam
Imported class: BCCD.Xfer.PopDischargeInstructions
Imported class: BCCD.Xfer.PopFunctionalStatus
Imported class: BCCD.Xfer.PopGeneralHeader
Imported class: BCCD.Xfer.PopImmunization
Imported class: BCCD.Xfer.PopInstructions
Imported class: BCCD.Xfer.PopMedication
Imported class: BCCD.Xfer.PopPatient
Imported class: BCCD.Xfer.PopPlanOfCare
Imported class: BCCD.Xfer.PopProblem
Imported class: BCCD.Xfer.PopProcedure
Imported class: BCCD.Xfer.PopReasonForReferral
Imported class: BCCD.Xfer.PopReasonForVisitHosp
Imported class: BCCD.Xfer.PopResult
Imported class: BCCD.Xfer.PopSocialHistory
Imported class: BCCD.Xfer.PopVitalSign
Imported class: BCCD.Xfer.Problem
Imported class: BCCD.Xfer.Procedure
Imported class: BCCD.Xfer.PushQueue
Imported class: BCCD.Xfer.Queue
Imported class: BCCD.Xfer.Result
Imported class: BCCD.Xfer.ResultOrganizer
Imported class: BCCD.Xfer.SocialHistory
Imported class: BCCD.Xfer.VitalSign, compiling 547 classes
Compiling class BCCD.Audit.AuditLog
Compiling class BCCD.Audit.ErrorThrottle
Compiling class BCCD.CCDA.ANYNonNull
Compiling class BCCD.CCDA.ActClass
Compiling class BCCD.CCDA.ActClassComposition
Compiling class BCCD.CCDA.ActClassCondition
Compiling class BCCD.CCDA.ActClassContract
Compiling class BCCD.CCDA.ActClassDocument
Compiling class BCCD.CCDA.ActClassObservation
Compiling class BCCD.CCDA.ActClassRoot
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Compiling class BCCD.CCDA.ActContainer
Compiling class BCCD.CCDA.ActMood
Compiling class BCCD.CCDA.ActMoodCompletionTrack
Compiling class BCCD.CCDA.ActRelationshipAccounting
Compiling class BCCD.CCDA.ActRelationshipConditional
Compiling class BCCD.CCDA.ActRelationshipOutcome
Compiling class BCCD.CCDA.ActRelationshipPertains
Compiling class BCCD.CCDA.ActRelationshipSequel
Compiling class BCCD.CCDA.ActRelationshipType
Compiling class BCCD.CCDA.AddressPartType
Compiling class BCCD.CCDA.AddressUse
Compiling class BCCD.CCDA.BinaryDataEncoding
Compiling class BCCD.CCDA.CalendarCycle
Compiling class BCCD.CCDA.CalendarCycleTwoLetter
Compiling class BCCD.CCDA.ContextControl
Compiling class BCCD.CCDA.EntityClass
Compiling class BCCD.CCDA.EntityClassLivingSubject
Compiling class BCCD.CCDA.EntityClassManufacturedMaterial
Compiling class BCCD.CCDA.EntityClassMaterial
Compiling class BCCD.CCDA.EntityClassOrganization
Compiling class BCCD.CCDA.EntityClassRoot
Compiling class BCCD.CCDA.EntityDeterminer
Compiling class BCCD.CCDA.EntityNamePartQualifier
Compiling class BCCD.CCDA.EntityNamePartType
Compiling class BCCD.CCDA.EntityNameUse
Compiling class BCCD.CCDA.MediaType
Compiling class BCCD.CCDA.NoInformation
Compiling class BCCD.CCDA.NullFlavor
Compiling class BCCD.CCDA.OrganizationNameUse
Compiling class BCCD.CCDA.ParticipationTargetDirect
Compiling class BCCD.CCDA.ParticipationType
Compiling class BCCD.CCDA.PersonNamePartQualifier
Compiling class BCCD.CCDA.PersonNameUse
Compiling class BCCD.CCDA.PostalAddressUse
Compiling class BCCD.CCDA.RoleClass
Compiling class BCCD.CCDA.RoleClassAgent
Compiling class BCCD.CCDA.RoleClassAssignedEntity
Compiling class BCCD.CCDA.RoleClassAssociative
Compiling class BCCD.CCDA.RoleClassIngredientEntity
Compiling class BCCD.CCDA.RoleClassMutualRelationship
Compiling class BCCD.CCDA.RoleClassOntological
Compiling class BCCD.CCDA.RoleClassPartitive
Compiling class BCCD.CCDA.RoleClassPassive
Compiling class BCCD.CCDA.RoleClassRelationshipFormal
Compiling class BCCD.CCDA.RoleClassRoot
Compiling class BCCD.CCDA.RoleLinkType
Compiling class BCCD.CCDA.StreetAddressLine
Compiling class BCCD.CCDA.StrucDoc.Br
Compiling class BCCD.CCDA.StrucDoc.Caption
Compiling class BCCD.CCDA.StrucDoc.Col
Compiling class BCCD.CCDA.StrucDoc.Colgroup
Compiling class BCCD.CCDA.StrucDoc.FootnoteRef
Compiling class BCCD.CCDA.StrucDoc.LinkHtml
Compiling class BCCD.CCDA.StrucDoc.List
Compiling class BCCD.CCDA.StrucDoc.RenderMultiMedia
Compiling class BCCD.CCDA.StrucDoc.Sub
Compiling class BCCD.CCDA.StrucDoc.Sup
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Compiling class BCCD.CCDA.StrucDoc.Table
Compiling class BCCD.CCDA.StrucDoc.Tbody
Compiling class BCCD.CCDA.StrucDoc.Tfoot
Compiling class BCCD.CCDA.StrucDoc.Thead
Compiling class BCCD.CCDA.StrucDoc.Tr
Compiling class BCCD.CCDA.TelecommunicationAddressUse
Compiling class BCCD.CCDA.Unknown
Compiling class BCCD.CCDA.bin1
Compiling class BCCD.CCDA.bl
Compiling class BCCD.CCDA.cs
Compiling class BCCD.CCDA.int
Compiling class BCCD.CCDA.listint
Compiling class BCCD.CCDA.oid
Compiling class BCCD.CCDA.probability
Compiling class BCCD.CCDA.real
Compiling class BCCD.CCDA.ruid
Compiling class BCCD.CCDA.setEntityNamePartQualifier
Compiling class BCCD.CCDA.setEntityNameUse
Compiling class BCCD.CCDA.setPostalAddressUse
Compiling class BCCD.CCDA.setTelecommunicationAddressUse
Compiling class BCCD.CCDA.st
Compiling class BCCD.CCDA.ts
Compiling class BCCD.CCDA.uid
Compiling class BCCD.CCDA.url
Compiling class BCCD.CCDA.uuid
Compiling class BCCD.CCDA.xActMoodIntentEvent
Compiling class BCCD.CCDA.xEntityClassDocumentReceiving
Compiling class BCCD.CCDA.xEntityClassPersonOrOrgReceiving
Compiling class BCCD.CCDA.xRoleClassCredentialedEntity
Compiling class BCCD.Install.Installer
Compiling routine : BCCD.Install.Installer.G1.MAC
Compiling class BCCD.Install.PostInstallTask
Compiling class BCCD.Install.PreInstallTask
Compiling class BCCD.Install.ProductionSettings
Compiling class BCCD.Prod.Adapters.AlertInbound
Compiling class BCCD.Prod.Adapters.CompiledRecordInbound
Compiling class BCCD.Prod.Adapters.ErrorRecordInbound
Compiling class BCCD.Prod.Adapters.ErrorThrottleInbound
Compiling class BCCD.Prod.Adapters.SuspendedRecordInbound
Compiling class BCCD.Prod.Alert.AlertItem
Compiling class BCCD.Prod.Build.DTL.Functions
Compiling class BCCD.Prod.Build.DTL.MedFrequencyFunctions
Compiling class BCCD.Prod.Build.DTL.ModuleContext
Compiling class BCCD.Prod.Build.Main
Compiling class BCCD.Prod.Messages.DocumentRequest
Compiling class BCCD.Prod.Messages.DocumentResponse
Compiling class BCCD.Prod.Messages.ErrorResponse
Compiling class BCCD.Prod.Messages.QueueIdRequest
Compiling class BCCD.Prod.Messages.StreamRequest
Compiling class BCCD.Prod.Operations.FileDoc
Compiling class BCCD.Prod.Processes.Alert
Compiling class BCCD.Prod.Processes.BuildDoc
Compiling class BCCD.Prod.Processes.TransmitPush
Compiling class BCCD.Prod.Production
Compiling class BCCD.Prod.PushWS.Op.PatientRecordReceiverOperationResponse
Compiling class BCCD.Prod.PushWS.Op.PatientRecordReceiverPort
Compiling class BCCD.Prod.PushWS.PatientRecordReceiverPort
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Compiling class BCCD.Prod.PushWS.ns.DocumentContent
Compiling class BCCD.Prod.PushWS.ns.DocumentType
Compiling class BCCD.Prod.PushWS.xmime.base64Binary
Compiling class BCCD.Prod.PushWS.xmime.hexBinary
Compiling class BCCD.Prod.Services.Alert
Compiling class BCCD.Prod.Services.ClinicalDocumentService
Compiling class BCCD.Prod.Services.CompiledRecord
Compiling class BCCD.Prod.Services.ErrorRecord
Compiling class BCCD.Prod.Services.ErrorThrottle
Compiling class BCCD.Prod.Services.SuspendedRecord
Compiling class BCCD.Tasks.Purge
Compiling class BCCD.Tasks.UpdateProductionState
Compiling class BCCD.Xfer.Address
Compiling class BCCD.Xfer.CCDMain
Compiling class BCCD.Xfer.PerformanceData
Compiling class BCCD.Xfer.PersonName
Compiling class BCCD.Xfer.Queue
Compiling class BCCD.Xfer.SocialHistory
Compiling class BCCD.CCDA.ANY
Compiling class BCCD.CCDA.ActClassControlAct
Compiling class BCCD.CCDA.ActClassEntry
Compiling class BCCD.CCDA.ActClassExtract
Compiling class BCCD.CCDA.ActClassFinancialContract
Compiling class BCCD.CCDA.ActClassObservationSeries
Compiling class BCCD.CCDA.ActClassOrganizer
Compiling class BCCD.CCDA.ActClassPublicHealthCase
Compiling class BCCD.CCDA.ActClassROI
Compiling class BCCD.CCDA.ActClassSupply
Compiling class BCCD.CCDA.ActClinicalDocument
Compiling class BCCD.CCDA.ActMoodIntent
Compiling class BCCD.CCDA.ActMoodPredicate
Compiling class BCCD.CCDA.ActRelationshipCostTracking
Compiling class BCCD.CCDA.ActRelationshipExcerpt
Compiling class BCCD.CCDA.ActRelationshipFulfills
Compiling class BCCD.CCDA.ActRelationshipHasComponent
Compiling class BCCD.CCDA.ActRelationshipObjective
Compiling class BCCD.CCDA.ActRelationshipPosting
Compiling class BCCD.CCDA.ActRelationshipReason
Compiling class BCCD.CCDA.ActRelationshipReplacement
Compiling class BCCD.CCDA.AdditionalLocator
Compiling class BCCD.CCDA.ApplicationMediaType
Compiling class BCCD.CCDA.AskedButUnknown
Compiling class BCCD.CCDA.AudioMediaType
Compiling class BCCD.CCDA.BuildingNumber
Compiling class BCCD.CCDA.CS1
Compiling class BCCD.CCDA.CV
Compiling class BCCD.CCDA.CalendarCycleOneLetter
Compiling class BCCD.CCDA.Classes
Compiling class BCCD.CCDA.CommunicationFunctionType
Compiling class BCCD.CCDA.CompressionAlgorithm
Compiling class BCCD.CCDA.ContextControlAdditive
Compiling class BCCD.CCDA.ContextControlNonPropagating
Compiling class BCCD.CCDA.ContextControlOverriding
Compiling class BCCD.CCDA.ContextControlPropagating
Compiling class BCCD.CCDA.Currency
Compiling class BCCD.CCDA.DeliveryAddressLine
Compiling class BCCD.CCDA.EntityClassContainer
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Compiling class BCCD.CCDA.EntityClassDevice
Compiling class BCCD.CCDA.EntityClassNonPersonLivingSubject
Compiling class BCCD.CCDA.EntityClassPlace
Compiling class BCCD.CCDA.EntityDeterminerDetermined
Compiling class BCCD.CCDA.EntityNameSearchUse
Compiling class BCCD.CCDA.GregorianCalendarCycle
Compiling class BCCD.CCDA.HomeAddressUse
Compiling class BCCD.CCDA.ImageMediaType
Compiling class BCCD.CCDA.IntegrityCheckAlgorithm
Compiling class BCCD.CCDA.LicensedEntityRole
Compiling class BCCD.CCDA.ModelMediaType
Compiling class BCCD.CCDA.MultipartMediaType
Compiling class BCCD.CCDA.NamePseudonymUse
Compiling class BCCD.CCDA.NameRepresentationUse
Compiling class BCCD.CCDA.ON
Compiling class BCCD.CCDA.OrganizationNamePartQualifier
Compiling class BCCD.CCDA.Other
Compiling class BCCD.CCDA.POCDMT000040.AssignedAuthor
Compiling class BCCD.CCDA.POCDMT000040.AssignedCustodian
Compiling class BCCD.CCDA.POCDMT000040.AssignedEntity
Compiling class BCCD.CCDA.POCDMT000040.AssociatedEntity
Compiling class BCCD.CCDA.POCDMT000040.Authenticator
Compiling class BCCD.CCDA.POCDMT000040.Author
Compiling class BCCD.CCDA.POCDMT000040.Authorization
Compiling class BCCD.CCDA.POCDMT000040.Birthplace
Compiling class BCCD.CCDA.POCDMT000040.Consent
Compiling class BCCD.CCDA.POCDMT000040.Consumable
Compiling class BCCD.CCDA.POCDMT000040.Criterion
Compiling class BCCD.CCDA.POCDMT000040.Custodian
Compiling class BCCD.CCDA.POCDMT000040.CustodianOrganization
Compiling class BCCD.CCDA.POCDMT000040.DataEnterer
Compiling class BCCD.CCDA.POCDMT000040.DocumentationOf
Compiling class BCCD.CCDA.POCDMT000040.EncompassingEncounter
Compiling class BCCD.CCDA.POCDMT000040.Entity
Compiling class BCCD.CCDA.POCDMT000040.ExternalAct
Compiling class BCCD.CCDA.POCDMT000040.ExternalDocument
Compiling class BCCD.CCDA.POCDMT000040.ExternalObservation
Compiling class BCCD.CCDA.POCDMT000040.ExternalProcedure
Compiling class BCCD.CCDA.POCDMT000040.Guardian
Compiling class BCCD.CCDA.POCDMT000040.Informant12
Compiling class BCCD.CCDA.POCDMT000040.InfrastructureRoot.typeId
Compiling class BCCD.CCDA.POCDMT000040.LanguageCommunication
Compiling class BCCD.CCDA.POCDMT000040.LegalAuthenticator
Compiling class BCCD.CCDA.POCDMT000040.MaintainedEntity
Compiling class BCCD.CCDA.POCDMT000040.NonXMLBody
Compiling class BCCD.CCDA.POCDMT000040.ObservationMedia
Compiling class BCCD.CCDA.POCDMT000040.ObservationRange
Compiling class BCCD.CCDA.POCDMT000040.Order
Compiling class BCCD.CCDA.POCDMT000040.Organization
Compiling class BCCD.CCDA.POCDMT000040.OrganizationPartOf
Compiling class BCCD.CCDA.POCDMT000040.Participant1
Compiling class BCCD.CCDA.POCDMT000040.Participant2
Compiling class BCCD.CCDA.POCDMT000040.ParticipantRole
Compiling class BCCD.CCDA.POCDMT000040.Patient
Compiling class BCCD.CCDA.POCDMT000040.PatientRole
Compiling class BCCD.CCDA.POCDMT000040.Person
Compiling class BCCD.CCDA.POCDMT000040.PlayingEntity
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Compiling class BCCD.CCDA.POCDMT000040.Precondition
Compiling class BCCD.CCDA.POCDMT000040.Product
Compiling class BCCD.CCDA.POCDMT000040.RecordTarget
Compiling class BCCD.CCDA.POCDMT000040.ReferenceRange
Compiling class BCCD.CCDA.POCDMT000040.RegionOfInterest
Compiling class BCCD.CCDA.POCDMT000040.RelatedEntity
Compiling class BCCD.CCDA.POCDMT000040.ResponsibleParty
Compiling class BCCD.CCDA.POCDMT000040.Section
Compiling class BCCD.CCDA.POCDMT000040.ServiceEvent
Compiling class BCCD.CCDA.POCDMT000040.Specimen
Compiling class BCCD.CCDA.POCDMT000040.StructuredBody
Compiling class BCCD.CCDA.POCDMT000040.SubjectPerson
Compiling class BCCD.CCDA.ParticipationAncillary
Compiling class BCCD.CCDA.ParticipationIndirectTarget
Compiling class BCCD.CCDA.ParticipationInformationGenerator
Compiling class BCCD.CCDA.ParticipationInformationRecipient
Compiling class BCCD.CCDA.ParticipationPhysicalPerformer
Compiling class BCCD.CCDA.ParticipationTargetDevice
Compiling class BCCD.CCDA.ParticipationTargetLocation
Compiling class BCCD.CCDA.ParticipationTargetSubject
Compiling class BCCD.CCDA.ParticipationVerifier
Compiling class BCCD.CCDA.PersonNamePartAffixTypes
Compiling class BCCD.CCDA.PersonNamePartChangeQualifier
Compiling class BCCD.CCDA.PersonNamePartMiscQualifier
Compiling class BCCD.CCDA.ProbabilityDistributionType
Compiling class BCCD.CCDA.RelatedLinkType
Compiling class BCCD.CCDA.RoleClassContact
Compiling class BCCD.CCDA.RoleClassDistributedMaterial
Compiling class BCCD.CCDA.RoleClassEmployee
Compiling class BCCD.CCDA.RoleClassInactiveIngredient
Compiling class BCCD.CCDA.RoleClassInvestigationSubject
Compiling class BCCD.CCDA.RoleClassIsSpeciesEntity
Compiling class BCCD.CCDA.RoleClassLocatedEntity
Compiling class BCCD.CCDA.RoleClassManufacturedProduct
Compiling class BCCD.CCDA.RoleClassServiceDeliveryLocation
Compiling class BCCD.CCDA.RoleClassSpecimen
Compiling class BCCD.CCDA.ST1
Compiling class BCCD.CCDA.SetOperator
Compiling class BCCD.CCDA.State
Compiling class BCCD.CCDA.StreetName
Compiling class BCCD.CCDA.StrucDoc.Content
Compiling class BCCD.CCDA.StrucDoc.Footnote
Compiling class BCCD.CCDA.StrucDoc.Item
Compiling class BCCD.CCDA.StrucDoc.Paragraph
Compiling class BCCD.CCDA.StrucDoc.Td
Compiling class BCCD.CCDA.StrucDoc.Text
Compiling class BCCD.CCDA.StrucDoc.Th
Compiling class BCCD.CCDA.StrucDoc.Title
Compiling class BCCD.CCDA.StrucDoc.TitleContent
Compiling class BCCD.CCDA.StrucDoc.TitleFootnote
Compiling class BCCD.CCDA.TN
Compiling class BCCD.CCDA.TemporallyPertains
Compiling class BCCD.CCDA.TextMediaType
Compiling class BCCD.CCDA.TimingEvent
Compiling class BCCD.CCDA.URLScheme
Compiling class BCCD.CCDA.VideoMediaType
Compiling class BCCD.CCDA.WorkPlaceAddressUse
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Compiling class BCCD.CCDA.adxp.additionalLocator
Compiling class BCCD.CCDA.adxp.buildingNumberSuffix
Compiling class BCCD.CCDA.adxp.careOf
Compiling class BCCD.CCDA.adxp.censusTract
Compiling class BCCD.CCDA.adxp.city
Compiling class BCCD.CCDA.adxp.country
Compiling class BCCD.CCDA.adxp.county
Compiling class BCCD.CCDA.adxp.delimiter
Compiling class BCCD.CCDA.adxp.deliveryAddressLine
Compiling class BCCD.CCDA.adxp.deliveryInstallationArea
Compiling class BCCD.CCDA.adxp.deliveryInstallationQualifier
Compiling class BCCD.CCDA.adxp.deliveryInstallationType
Compiling class BCCD.CCDA.adxp.deliveryMode
Compiling class BCCD.CCDA.adxp.deliveryModeIdentifier
Compiling class BCCD.CCDA.adxp.direction
Compiling class BCCD.CCDA.adxp.houseNumber
Compiling class BCCD.CCDA.adxp.houseNumberNumeric
Compiling class BCCD.CCDA.adxp.postBox
Compiling class BCCD.CCDA.adxp.postalCode
Compiling class BCCD.CCDA.adxp.precinct
Compiling class BCCD.CCDA.adxp.state
Compiling class BCCD.CCDA.adxp.streetAddressLine
Compiling class BCCD.CCDA.adxp.streetName
Compiling class BCCD.CCDA.adxp.streetNameBase
Compiling class BCCD.CCDA.adxp.streetNameType
Compiling class BCCD.CCDA.adxp.unitID
Compiling class BCCD.CCDA.adxp.unitType
Compiling class BCCD.CCDA.bn
Compiling class BCCD.CCDA.en.delimiter
Compiling class BCCD.CCDA.en.family
Compiling class BCCD.CCDA.en.given
Compiling class BCCD.CCDA.en.prefix
Compiling class BCCD.CCDA.en.suffix
Compiling class BCCD.CCDA.hasSupport
Compiling class BCCD.CCDA.xActClassDocumentEntryAct
Compiling class BCCD.CCDA.xActClassDocumentEntryOrganizer
Compiling class BCCD.CCDA.xActMoodDefEvn
Compiling class BCCD.CCDA.xActMoodDefEvnRqoPrmsPrp
Compiling class BCCD.CCDA.xActMoodDocumentObservation
Compiling class BCCD.CCDA.xActMoodEvnOrdPrmsPrp
Compiling class BCCD.CCDA.xActMoodOrdPrms
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Compiling class BCCD.CCDA.xActRelationshipExternalReference
Compiling class BCCD.CCDA.xActRelationshipPatientTransport
Compiling class BCCD.CCDA.xActRelationshipPertinentInfo
Compiling class BCCD.CCDA.xDeterminerInstanceKind
Compiling class BCCD.CCDA.xDocumentActMood
Compiling class BCCD.CCDA.xDocumentEncounterMood
Compiling class BCCD.CCDA.xDocumentEntrySubject
Compiling class BCCD.CCDA.xDocumentProcedureMood
Compiling class BCCD.CCDA.xDocumentSubject
Compiling class BCCD.CCDA.xDocumentSubstanceMood
Compiling class BCCD.CCDA.xEncounterParticipant
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Compiling class BCCD.CCDA.xEncounterPerformerParticipation
Compiling class BCCD.CCDA.xInformationRecipient
Compiling class BCCD.CCDA.xInformationRecipientRole
Compiling class BCCD.CCDA.xOrganizationNamePartType
Compiling class BCCD.CCDA.xParticipationAuthorPerformer
Compiling class BCCD.CCDA.xParticipationEntVrf
Compiling class BCCD.CCDA.xParticipationPrfEntVrf
Compiling class BCCD.CCDA.xParticipationVrfRespSprfWit
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Compiling class BCCD.Xfer.CareTeam
Compiling class BCCD.Xfer.FieldTransformations
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Compiling class BCCD.Xfer.GeneralHeader
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Compiling class BCCD.Xfer.Immunization
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Compiling class BCCD.Xfer.PlanOfCareOrganizer
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Compiling class BCCD.Xfer.PopReasonForVisitHosp
Compiling class BCCD.Xfer.PopResult
Compiling class BCCD.Xfer.PopSocialHistory
Compiling class BCCD.Xfer.PopVitalSign
Compiling class BCCD.Xfer.Problem
Compiling class BCCD.Xfer.Procedure
Compiling class BCCD.Xfer.PushQueue
Compiling class BCCD.Xfer.ResultOrganizer
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Compiling class BCCD.CCDA.AD
Compiling class BCCD.CCDA.ADXP
Compiling class BCCD.CCDA.BIN
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Compiling class BCCD.CCDA.CR
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Compiling class BCCD.CCDA.EN
Compiling class BCCD.CCDA.ENXP
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Compiling class BCCD.CCDA.GLISTTS
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Compiling class BCCD.CCDA.POCDMT000040.Place
Compiling class BCCD.CCDA.POCDMT000040.Procedure
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Compiling class BCCD.CCDA.QTY
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Compiling class BCCD.Xfer.MedDispense
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Compiling class BCCD.CCDA.ED
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Compiling class BCCD.CCDA.SXCMMO
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Compiling class BCCD.CCDA.SXCMPPDTS
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Compiling table BCCD_CCDA.BXITIVLPQ
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Compiling table BCCD_CCDA.CE
Compiling table BCCD_CCDA.CE1
Compiling table BCCD_CCDA.CR
Compiling table BCCD_CCDA.CS1
Compiling table BCCD_CCDA.CV
Compiling table BCCD_CCDA.ED
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Compiling table BCCD_CCDA.GLISTTS
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Compiling table BCCD_CCDA.HXITPQ
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Compiling table BCCD_CCDA.IVLPPDPQ
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Compiling table BCCD_CCDA.IVXBTS
Compiling table BCCD_CCDA.MO
Compiling table BCCD_CCDA.PIVLPPDTS
Compiling table BCCD_CCDA.PIVLTS
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Compiling table BCCD_CCDA.URL1
Compiling table BCCD_CCDA.UVPTS
Compiling table BCCD_CCDA._ANY
Compiling table BCCD_CCDA._ON
Compiling table BCCD_CCDA.thumbnail
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Compiling table BCCD_CCDA_POCDMT000040.AssociatedEntity
Compiling table BCCD_CCDA_POCDMT000040.Authenticator
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Compiling table BCCD_CCDA_POCDMT000040.AuthoringDevice
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Compiling table BCCD_CCDA_en.suffix
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Compiling table BCCD_Prod_Processes.Alert_MessagesSent
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Compiling table BCCD_Prod_Processes_Alert.Thread1__SyncResponses
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Compiling table BCCD_Prod_Processes_BuildDoc.Context__ResponseHandlers
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Compiling table BCCD_Xfer.CCDPopulate
Compiling table BCCD_Xfer.CareTeam
Compiling table BCCD_Xfer.FieldTransformations
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Compiling routine BCCD.Xfer.Medication.1
Compiling routine BCCD.Xfer.Patient.1
Compiling routine BCCD.Xfer.PlanOfCareOrganizer.1
Compiling routine BCCD.Xfer.PopAllergy.1
Compiling routine BCCD.Xfer.PopCareTeam.1
Compiling routine BCCD.Xfer.PopDischargeInstructions.1
Compiling routine BCCD.Xfer.PopFunctionalStatus.1
Compiling routine BCCD.Xfer.PopGeneralHeader.1
Compiling routine BCCD.Xfer.PopImmunization.1
Compiling routine BCCD.Xfer.PopInstructions.1
Compiling routine BCCD.Xfer.PopMedication.1
Compiling routine BCCD.Xfer.PopPatient.1
Compiling routine BCCD.Xfer.PopPlanOfCare.1
Compiling routine BCCD.Xfer.PopProblem.1
Compiling routine BCCD.Xfer.PopProcedure.1
Compiling routine BCCD.Xfer.PopReasonForReferral.1
Compiling routine BCCD.Xfer.PopReasonForVisitHosp.1
Compiling routine BCCD.Xfer.PopResult.1
Compiling routine BCCD.Xfer.PopSocialHistory.1
Compiling routine BCCD.Xfer.PopVitalSign.1
Compiling routine BCCD.Xfer.Problem.1
Compiling routine BCCD.Xfer.Procedure.1
Compiling routine BCCD.Xfer.PushQueue.1
Compiling routine BCCD.Xfer.ResultOrganizer.1
Compiling routine BCCD.Xfer.VitalSign.1
Compiling routine BCCD.CCDA.AD.1
Compiling routine BCCD.CCDA.ADXP.1
Compiling routine BCCD.CCDA.BIN.1
Compiling routine BCCD.CCDA.BL1.1
Compiling routine BCCD.CCDA.BN1.1
Compiling routine BCCD.CCDA.CD.1
Compiling routine BCCD.CCDA.CR.1
Compiling routine BCCD.CCDA.EIVL.event.1
Compiling routine BCCD.CCDA.EN.1
Compiling routine BCCD.CCDA.ENXP.1
Compiling routine BCCD.CCDA.GLISTPQ.1
Compiling routine BCCD.CCDA.GLISTTS.1
Compiling routine BCCD.CCDA.II.1
Compiling routine BCCD.CCDA.POCDMT000040.Act.1
Compiling routine BCCD.CCDA.POCDMT000040.AuthoringDevice.1
Compiling routine BCCD.CCDA.POCDMT000040.ClinicalDocument.1
Compiling routine BCCD.CCDA.POCDMT000040.Component1.1
Compiling routine BCCD.CCDA.POCDMT000040.Component2.1
Compiling routine BCCD.CCDA.POCDMT000040.Component3.1
Compiling routine BCCD.CCDA.POCDMT000040.Component4.1
Compiling routine BCCD.CCDA.POCDMT000040.Component5.1
Compiling routine BCCD.CCDA.POCDMT000040.Device.1
Compiling routine BCCD.CCDA.POCDMT000040.Encounter.1
Compiling routine BCCD.CCDA.POCDMT000040.EncounterParticipant.1
Compiling routine BCCD.CCDA.POCDMT000040.Entry.1
Compiling routine BCCD.CCDA.POCDMT000040.EntryRelationship.1
Compiling routine BCCD.CCDA.POCDMT000040.HealthCareFacility.1
Compiling routine BCCD.CCDA.POCDMT000040.InFulfillmentOf.1
Compiling routine BCCD.CCDA.POCDMT000040.InformationRecipient.1
Compiling routine BCCD.CCDA.POCDMT000040.IntendedRecipient.1
```

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Compiling routine BCCD.CCDA.POCDMT000040.LabeledDrug.1
Compiling routine BCCD.CCDA.POCDMT000040.Location.1
Compiling routine BCCD.CCDA.POCDMT000040.ManufacturedProduct.1
Compiling routine BCCD.CCDA.POCDMT000040.Material.1
Compiling routine BCCD.CCDA.POCDMT000040.Observation.1
Compiling routine BCCD.CCDA.POCDMT000040.Organizer.1
Compiling routine BCCD.CCDA.POCDMT000040.ParentDocument.1
Compiling routine BCCD.CCDA.POCDMT000040.Performer1.1
Compiling routine BCCD.CCDA.POCDMT000040.Performer2.1
Compiling routine BCCD.CCDA.POCDMT000040.Place.1
Compiling routine BCCD.CCDA.POCDMT000040.Procedure.1
Compiling routine BCCD.CCDA.POCDMT000040.Reference.1
Compiling routine BCCD.CCDA.POCDMT000040.RelatedDocument.1
Compiling routine BCCD.CCDA.POCDMT000040.RelatedSubject.1
Compiling routine BCCD.CCDA.POCDMT000040.SpecimenRole.1
Compiling routine BCCD.CCDA.POCDMT000040.Subject.1
Compiling routine BCCD.CCDA.POCDMT000040.SubstanceAdministration.1
Compiling routine BCCD.CCDA.POCDMT000040.Supply.1
Compiling routine BCCD.CCDA.PQR.1
Compiling routine BCCD.CCDA.QTY.1
Compiling routine BCCD.CCDA.SC.1
Compiling routine BCCD.CCDA.SLISTPQ.1
Compiling routine BCCD.CCDA.SLISTTS.1
Compiling routine BCCD.CCDA.URL1.1
Compiling routine BCCD.CCDA.thumbnail.1
Compiling routine BCCD.Prod.PushWS.Op.PatientRecordReceiverOperationRequest.1
Compiling routine BCCD.Xfer.AllergyCode.1
Compiling routine BCCD.Xfer.AllergyReaction.1
Compiling routine BCCD.Xfer.Instruction.1
Compiling routine BCCD.Xfer.MedDispense.1
Compiling routine BCCD.Xfer.MedFrequency.1
Compiling routine BCCD.Xfer.PlanOfCare.1
Compiling routine BCCD.Xfer.Result.1
Compiling routine BCCD.CCDA.BXITCD.1
Compiling routine BCCD.CCDA.CE.1
Compiling routine BCCD.CCDA.ED.1
Compiling routine BCCD.CCDA.INT1.1
Compiling routine BCCD.CCDA.MO.1
Compiling routine BCCD.CCDA.PN.1
Compiling routine BCCD.CCDA.PQ.1
Compiling routine BCCD.CCDA.REAL1.1
Compiling routine BCCD.CCDA.RTOMOPQ.1
Compiling routine BCCD.CCDA.RTOPQPQ.1
Compiling routine BCCD.CCDA.RTOQTYQTY.1
Compiling routine BCCD.CCDA.SXCMCD.1
Compiling routine BCCD.CCDA.TEL.1
Compiling routine BCCD.CCDA.TS1.1
Compiling routine BCCD.CCDA.CE1.1
Compiling routine BCCD.CCDA.HXITCE.1
Compiling routine BCCD.CCDA.HXITPQ.1
Compiling routine BCCD.CCDA.IVXBINT.1
Compiling routine BCCD.CCDA.IVXBMO.1
Compiling routine BCCD.CCDA.IVXBHQ.1
Compiling routine BCCD.CCDA.IVXBREAL.1
Compiling routine BCCD.CCDA.IVXBTS.1
Compiling routine BCCD.CCDA.POCDMT000040.RegionOfInterest.value.1
```

```
Compiling routine BCCD.CCDA.PPPDQ.1
Compiling routine BCCD.CCDA.PPDTS.1
Compiling routine BCCD.CCDA.SXCMINT.1
Compiling routine BCCD.CCDA.SXCMMO.1
Compiling routine BCCD.CCDA.SXCMPO.1
Compiling routine BCCD.CCDA.SXCMREAL.1
Compiling routine BCCD.CCDA.SXCMTS.1
Compiling routine BCCD.CCDA.UVPTS.1
Compiling routine BCCD.CCDA.EIVLTS.1
Compiling routine BCCD.CCDA.IVLINT.1
Compiling routine BCCD.CCDA.IVLMO.1
Compiling routine BCCD.CCDA.IVLPQ.1
Compiling routine BCCD.CCDA.IVLREAL.1
Compiling routine BCCD.CCDA.IVLTS.1
Compiling routine BCCD.CCDA.IVXBPPDPQ.1
Compiling routine BCCD.CCDA.IVXBPPDTS.1
Compiling routine BCCD.CCDA.PIVLTS.1
Compiling routine BCCD.CCDA.SXCMPPDPQ.1
Compiling routine BCCD.CCDA.SXCMPPDTS.1
Compiling routine BCCD.CCDA.SXPRTS.1
Compiling routine BCCD.CCDA.BXITIVLPQ.1
Compiling routine BCCD.CCDA.EIVLPPDTS.1
Compiling routine BCCD.CCDA.IVLPPDPQ.1
Compiling routine BCCD.CCDA.IVLPPDTS.1
Compiling routine BCCD.CCDA.PIVLPPDTS.1
Compiling class BCCD.Prod.Build.DTL.AllergyComponent
Compiling class BCCD.Prod.Build.DTL.AllergyEntry
Compiling class BCCD.Prod.Build.DTL.CareTeamComponent
Compiling class BCCD.Prod.Build.DTL.CareTeamDocumentationOf
Compiling class BCCD.Prod.Build.DTL.CareTeamEncounterParticipant
Compiling class BCCD.Prod.Build.DTL.CareTeamPerformer
Compiling class BCCD.Prod.Build.DTL.ClinicalDocument
Compiling class BCCD.Prod.Build.DTL.FunctionalStatusComponent
Compiling class BCCD.Prod.Build.DTL.HospDischargeInstComponent
Compiling class BCCD.Prod.Build.DTL.ImmunizationComponent
Compiling class BCCD.Prod.Build.DTL.ImmunizationEntry
Compiling class BCCD.Prod.Build.DTL.InstructionComponent
Compiling class BCCD.Prod.Build.DTL.InstructionEntry
Compiling class BCCD.Prod.Build.DTL.MedicationComponent
Compiling class BCCD.Prod.Build.DTL.MedicationEntry
Compiling class BCCD.Prod.Build.DTL.PlanOfCareComponent
Compiling class BCCD.Prod.Build.DTL.ProblemComponent
Compiling class BCCD.Prod.Build.DTL.ProblemEntry
Compiling class BCCD.Prod.Build.DTL.ProblemObservation
Compiling class BCCD.Prod.Build.DTL.ProcedureComponent
Compiling class BCCD.Prod.Build.DTL.ProcedureEntry
Compiling class BCCD.Prod.Build.DTL.ReasonForReferralComponent
Compiling class BCCD.Prod.Build.DTL.ReasonForVisitComponent
Compiling class BCCD.Prod.Build.DTL.ResultComponent
Compiling class BCCD.Prod.Build.DTL.ResultEntry
Compiling class BCCD.Prod.Build.DTL.ResultObservation
Compiling class BCCD.Prod.Build.DTL.SocialHistoryComponent
Compiling class BCCD.Prod.Build.DTL.SocialHistoryEntry
Compiling class BCCD.Prod.Build.DTL.VitalSignComponent
Compiling class BCCD.Prod.Build.DTL.VitalSignEntry
Compiling class BCCD.Prod.Build.DTL.VitalSignObservation
Compiling routine BCCD.Prod.Build.DTL.AllergyComponent.1
```

```
Compiling routine BCCD.Prod.Build.DTL.AllergyEntry.1
Compiling routine BCCD.Prod.Build.DTL.CareTeamComponent.1
Compiling routine BCCD.Prod.Build.DTL.CareTeamDocumentationOf.1
Compiling routine BCCD.Prod.Build.DTL.CareTeamEncounterParticipant.1
Compiling routine BCCD.Prod.Build.DTL.CareTeamPerformer.1
Compiling routine BCCD.Prod.Build.DTL.ClinicalDocument.1
Compiling routine BCCD.Prod.Build.DTL.FunctionalStatusComponent.1
Compiling routine BCCD.Prod.Build.DTL.HospDischargeInstComponent.1
Compiling routine BCCD.Prod.Build.DTL.ImmunizationComponent.1
Compiling routine BCCD.Prod.Build.DTL.ImmunizationEntry.1
Compiling routine BCCD.Prod.Build.DTL.InstructionComponent.1
Compiling routine BCCD.Prod.Build.DTL.InstructionEntry.1
Compiling routine BCCD.Prod.Build.DTL.MedicationComponent.1
Compiling routine BCCD.Prod.Build.DTL.MedicationEntry.1
Compiling routine BCCD.Prod.Build.DTL.PlanOfCareComponent.1
Compiling routine BCCD.Prod.Build.DTL.ProblemComponent.1
Compiling routine BCCD.Prod.Build.DTL.ProblemEntry.1
Compiling routine BCCD.Prod.Build.DTL.ProblemObservation.1
Compiling routine BCCD.Prod.Build.DTL.ProcedureComponent.1
Compiling routine BCCD.Prod.Build.DTL.ProcedureEntry.1
Compiling routine BCCD.Prod.Build.DTL.ReasonForReferralComponent.1
Compiling routine BCCD.Prod.Build.DTL.ReasonForVisitComponent.1
Compiling routine BCCD.Prod.Build.DTL.ResultComponent.1
Compiling routine BCCD.Prod.Build.DTL.ResultEntry.1
Compiling routine BCCD.Prod.Build.DTL.ResultObservation.1
Compiling routine BCCD.Prod.Build.DTL.SocialHistoryComponent.1
Compiling routine BCCD.Prod.Build.DTL.SocialHistoryEntry.1
Compiling routine BCCD.Prod.Build.DTL.VitalSignComponent.1
Compiling routine BCCD.Prod.Build.DTL.VitalSignEntry.1
Compiling routine BCCD.Prod.Build.DTL.VitalSignObservation.1
Class BCCD.Prod.Processes.Alert.Context is up-to-date.
Class BCCD.Prod.Processes.Alert.Thread1 is up-to-date.
Class BCCD.Prod.Processes.BuildDoc.Context is up-to-date.
Class BCCD.Prod.Processes.BuildDoc.Thread1 is up-to-date.
Compiling class
BCCD.Prod.PushWS.PatientRecordReceiverPort.PatientRecordReceiverOperation
Compiling class BCCD.Prod.Services.ClinicalDocumentService.RetrieveDocument
Compiling routine
BCCD.Prod.PushWS.PatientRecordReceiverPort.PatientRecordReceiverOperation.1
Compiling routine
BCCD.Prod.Services.ClinicalDocumentService.RetrieveDocument.1
Load finished successfully.

Updating 90310.03 record

Update BCCD parameters

Run Ensemble post-install tasks

Post-install routine is complete

Updating Routine file...

Updating KIDS files...

CCDA 1.0 Installed.
Feb 21, 2014@09:49:53
```

```
Not a VA primary domain  
NO Install Message sent  
Install Completed
```

Figure 5-4: New installation of the CCDA package

5.4.2 Re-installation

```
Select Installation Option: 6  Install Package(s)  
Select INSTALL NAME: CCDA 1.0          Loaded from Distribution      Loaded  
from Dis  
tribution 2/21/14@11:18:33  
=> CCDA 1.0 ;Created on Feb 21, 2014@11:15:07  
  
This Distribution was loaded on Feb 21, 2014@11:18:33 with header of  
CCDA 1.0 ;Created on Feb 21, 2014@11:15:07  
It consisted of the following Install(s):  
    CCDA 1.0  
Checking Install for Package CCDA 1.0  
Will first run the Environment Check Routine, BCCD1E00  
  
Install Questions for CCDA 1.0  
  
Incoming Files:  
  
    90310.01 BCCD SITE PARAMETERS  
Note: You already have the 'BCCD SITE PARAMETERS' File.  
  
    90310.02 BCCD MESSAGE TYPE  
Note: You already have the 'BCCD MESSAGE TYPE' File.  
  
    90310.03 BCCD CLASS TRANSPORT (including data)  
Note: You already have the 'BCCD CLASS TRANSPORT' File.  
I will OVERWRITE your data with mine.  
  
Want KIDS to Rebuild Menu Trees Upon Completion of Install? YES// N NO  
  
Want KIDS to INHIBIT LOGONs during the install? YES// N NO  
Want to DISABLE Scheduled Options, Menu Options, and Protocols? YES// N NO  
  
Enter the Device you want to print the Install messages.  
You can queue the install by enter a 'Q' at the device prompt.  
Enter a '^' to abort the install.  
  
DEVICE: HOME// <ENTER> VT  
  
Install Started for CCDA 1.0 :  
    Feb 21, 2014@11:19:14
```

```
Build Distribution Date: Feb 21, 2014

Installing Routines:

Installing Data Dictionaries:

Installing Data:
    Feb 21, 2014@11:19:15

Installing PACKAGE COMPONENTS:

Installing INPUT TEMPLATE

Installing OPTION

Running Post-Install Routine: POST^BCCD1P00

Starting Post-Install Routine

    Creating Taxonomies
    Updating [BCCD NO LIMIT LOINC CODES] taxonomy...

    Updating BCCD SITE PARAMETERS

    Stopping BCCD background processes

    Running Ensemble Pre-Install Tasks

        Delete BCCD package, if it exists
        Deleting class BCCD.Audit.AuditLog
        Deleting class BCCD.Audit.ErrorThrottle
        Deleting class BCCD.CCDA.AD
        Deleting class BCCD.CCDAADX
        Deleting class BCCD.CCDA.ANY
        Deleting class BCCD.CCDA.ANYNonNull
        Deleting class BCCD.CCDA.ActClass
        Deleting class BCCD.CCDA.ActClassComposition
        Deleting class BCCD.CCDA.ActClassCondition
        Deleting class BCCD.CCDA.ActClassContract
        Deleting class BCCD.CCDA.ActClassControlAct
        Deleting class BCCD.CCDA.ActClassDocument
        Deleting class BCCD.CCDA.ActClassEntry
        Deleting class BCCD.CCDA.ActClassExtract
        Deleting class BCCD.CCDA.ActClassFinancialContract
        Deleting class BCCD.CCDA.ActClassObservation
        Deleting class BCCD.CCDA.ActClassObservationSeries
        Deleting class BCCD.CCDA.ActClassOrganizer
        Deleting class BCCD.CCDA.ActClassPublicHealthCase
        Deleting class BCCD.CCDA.ActClassROI
        Deleting class BCCD.CCDA.ActClassRoot
        Deleting class BCCD.CCDA.ActClassSupply
        Deleting class BCCD.CCDA.ActClinicalDocument
        Deleting class BCCD.CCDA.ActContainer
        Deleting class BCCD.CCDA.ActMood
        Deleting class BCCD.CCDA.ActMoodCompletionTrack
        Deleting class BCCD.CCDA.ActMoodIntent
```

```
Deleting class BCCD.CCDA.ActMoodPredicate
Deleting class BCCD.CCDA.ActRelationshipAccounting
Deleting class BCCD.CCDA.ActRelationshipConditional
Deleting class BCCD.CCDA.ActRelationshipCostTracking
Deleting class BCCD.CCDA.ActRelationshipExcerpt
Deleting class BCCD.CCDA.ActRelationshipFulfills
Deleting class BCCD.CCDA.ActRelationshipHasComponent
Deleting class BCCD.CCDA.ActRelationshipObjective
Deleting class BCCD.CCDA.ActRelationshipOutcome
Deleting class BCCD.CCDA.ActRelationshipPertains
Deleting class BCCD.CCDA.ActRelationshipPosting
Deleting class BCCD.CCDA.ActRelationshipReason
Deleting class BCCD.CCDA.ActRelationshipReplacement
Deleting class BCCD.CCDA.ActRelationshipSequel
Deleting class BCCD.CCDA.ActRelationshipType
Deleting class BCCD.CCDA.AdditionalLocator
Deleting class BCCD.CCDA.AddressPartType
Deleting class BCCD.CCDA.AddressUse
Deleting class BCCD.CCDA.ApplicationMediaType
Deleting class BCCD.CCDA.AskedButUnknown
Deleting class BCCD.CCDA.AudioMediaType
Deleting class BCCD.CCDA.BIN
Deleting class BCCD.CCDA.BL1
Deleting class BCCD.CCDA.BN1
Deleting class BCCD.CCDA.BXITCD
Deleting class BCCD.CCDA.BXITIVLPQ
Deleting class BCCD.CCDA.BinaryDataEncoding
Deleting class BCCD.CCDA.BuildingNumber
Deleting class BCCD.CCDA.CD
Deleting class BCCD.CCDA.CE
Deleting class BCCD.CCDA.CE1
Deleting class BCCD.CCDA.CR
Deleting class BCCD.CCDA.CS1
Deleting class BCCD.CCDA.CV
Deleting class BCCD.CCDA.CalendarCycle
Deleting class BCCD.CCDA.CalendarCycleOneLetter
Deleting class BCCD.CCDA.CalendarCycleTwoLetter
Deleting class BCCD.CCDA.Classes
Deleting class BCCD.CCDA.CommunicationFunctionType
Deleting class BCCD.CCDA.CompressionAlgorithm
Deleting class BCCD.CCDA.ContextControl
Deleting class BCCD.CCDA.ContextControlAdditive
Deleting class BCCD.CCDA.ContextControlNonPropagating
Deleting class BCCD.CCDA.ContextControlOverriding
Deleting class BCCD.CCDA.ContextControlPropagating
Deleting class BCCD.CCDA.Currency
Deleting class BCCD.CCDA.DeliveryAddressLine
Deleting class BCCD.CCDA.ED
Deleting class BCCD.CCDA.EIVL.event
Deleting class BCCD.CCDA.EIVLPPDTS
Deleting class BCCD.CCDA.EIVLTS
Deleting class BCCD.CCDA.EN
Deleting class BCCD.CCDA.ENXP
Deleting class BCCD.CCDA.EntityClass
Deleting class BCCD.CCDA.EntityClassContainer
Deleting class BCCD.CCDA.EntityClassDevice
Deleting class BCCD.CCDA.EntityClassLivingSubject
```

```
Deleting class BCCD.CCDA.EntityClassManufacturedMaterial
Deleting class BCCD.CCDA.EntityClassMaterial
Deleting class BCCD.CCDA.EntityClassNonPersonLivingSubject
Deleting class BCCD.CCDA.EntityClassOrganization
Deleting class BCCD.CCDA.EntityClassPlace
Deleting class BCCD.CCDA.EntityClassRoot
Deleting class BCCD.CCDA.EntityDeterminer
Deleting class BCCD.CCDA.EntityDeterminerDetermined
Deleting class BCCD.CCDA.EntityNamePartQualifier
Deleting class BCCD.CCDA.EntityNamePartType
Deleting class BCCD.CCDA.EntityNameSearchUse
Deleting class BCCD.CCDA.EntityNameUse
Deleting class BCCD.CCDA.GLISTPQ
Deleting class BCCD.CCDA.GLISTTS
Deleting class BCCD.CCDA.GregorianCalendarCycle
Deleting class BCCD.CCDA.HXITCE
Deleting class BCCD.CCDA.HXITPQ
Deleting class BCCD.CCDA.HomeAddressUse
Deleting class BCCD.CCDA.II
Deleting class BCCD.CCDA.INT1
Deleting class BCCD.CCDA.IVLINT
Deleting class BCCD.CCDA.IVLMO
Deleting class BCCD.CCDA.IVLPPDPQ
Deleting class BCCD.CCDA.IVLPPDTS
Deleting class BCCD.CCDA.IVLPQ
Deleting class BCCD.CCDA.IVLREAL
Deleting class BCCD.CCDA.IVLTS
Deleting class BCCD.CCDA.IVXBINT
Deleting class BCCD.CCDA.IVXBMO
Deleting class BCCD.CCDA.IVXBPPDPQ
Deleting class BCCD.CCDA.IVXBPPDTS
Deleting class BCCD.CCDA.IVXBHQ
Deleting class BCCD.CCDA.IVXBREAL
Deleting class BCCD.CCDA.IVXBTS
Deleting class BCCD.CCDA.ImageMediaType
Deleting class BCCD.CCDA.IntegrityCheckAlgorithm
Deleting class BCCD.CCDA.LicensedEntityRole
Deleting class BCCD.CCDA.MO
Deleting class BCCD.CCDA.MediaType
Deleting class BCCD.CCDA.ModelMediaType
Deleting class BCCD.CCDA.MultipartMediaType
Deleting class BCCD.CCDA.NamePseudonymUse
Deleting class BCCD.CCDA.NameRepresentationUse
Deleting class BCCD.CCDA.NoInformation
Deleting class BCCD.CCDA.NullFlavor
Deleting class BCCD.CCDA.ON
Deleting class BCCD.CCDA.OrganizationNamePartQualifier
Deleting class BCCD.CCDA.OrganizationNameUse
Deleting class BCCD.CCDA.Other
Deleting class BCCD.CCDA.PIVLPPDTS
Deleting class BCCD.CCDA.PIVLTS
Deleting class BCCD.CCDA.PN
Deleting class BCCD.CCDA.POCDMT000040.Act
Deleting class BCCD.CCDA.POCDMT000040.AssignedAuthor
Deleting class BCCD.CCDA.POCDMT000040.AssignedCustodian
Deleting class BCCD.CCDA.POCDMT000040.AssignedEntity
Deleting class BCCD.CCDA.POCDMT000040.AssociatedEntity
```

```
Deleting class BCCD.CCDA.POCDMT000040.Authenticator
Deleting class BCCD.CCDA.POCDMT000040.Author
Deleting class BCCD.CCDA.POCDMT000040.AuthoringDevice
Deleting class BCCD.CCDA.POCDMT000040.Authorization
Deleting class BCCD.CCDA.POCDMT000040.Birthplace
Deleting class BCCD.CCDA.POCDMT000040.ClinicalDocument
Deleting class BCCD.CCDA.POCDMT000040.Component1
Deleting class BCCD.CCDA.POCDMT000040.Component2
Deleting class BCCD.CCDA.POCDMT000040.Component3
Deleting class BCCD.CCDA.POCDMT000040.Component4
Deleting class BCCD.CCDA.POCDMT000040.Component5
Deleting class BCCD.CCDA.POCDMT000040.Consent
Deleting class BCCD.CCDA.POCDMT000040.Consumable
Deleting class BCCD.CCDA.POCDMT000040.Criterion
Deleting class BCCD.CCDA.POCDMT000040.Custodian
Deleting class BCCD.CCDA.POCDMT000040.CustodianOrganization
Deleting class BCCD.CCDA.POCDMT000040.DataEnterer
Deleting class BCCD.CCDA.POCDMT000040.Device
Deleting class BCCD.CCDA.POCDMT000040.DocumentationOf
Deleting class BCCD.CCDA.POCDMT000040.EncompassingEncounter
Deleting class BCCD.CCDA.POCDMT000040.Encounter
Deleting class BCCD.CCDA.POCDMT000040.EncounterParticipant
Deleting class BCCD.CCDA.POCDMT000040.Entity
Deleting class BCCD.CCDA.POCDMT000040.Entry
Deleting class BCCD.CCDA.POCDMT000040.EntryRelationship
Deleting class BCCD.CCDA.POCDMT000040.ExternalAct
Deleting class BCCD.CCDA.POCDMT000040.ExternalDocument
Deleting class BCCD.CCDA.POCDMT000040.ExternalObservation
Deleting class BCCD.CCDA.POCDMT000040.ExternalProcedure
Deleting class BCCD.CCDA.POCDMT000040.Guardian
Deleting class BCCD.CCDA.POCDMT000040.HealthCareFacility
Deleting class BCCD.CCDA.POCDMT000040.InFulfillmentOf
Deleting class BCCD.CCDA.POCDMT000040.Informant12
Deleting class BCCD.CCDA.POCDMT000040.InformationRecipient
Deleting class BCCD.CCDA.POCDMT000040.InfrastructureRoot.typeId
Deleting class BCCD.CCDA.POCDMT000040.IntendedRecipient
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Deleting class BCCD.CCDA.POCDMT000040.NonXMLBody
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Deleting class BCCD.CCDA.POCDMT000040.Organizer
Deleting class BCCD.CCDA.POCDMT000040.ParentDocument
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Deleting class BCCD.CCDA.POCDMT000040.Participant2
Deleting class BCCD.CCDA.POCDMT000040.ParticipantRole
Deleting class BCCD.CCDA.POCDMT000040.Patient
Deleting class BCCD.CCDA.POCDMT000040.PatientRole
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Deleting class BCCD.CCDA.POCDMT000040.Performer2
Deleting class BCCD.CCDA.POCDMT000040.Person
Deleting class BCCD.CCDA.POCDMT000040.Place
Deleting class BCCD.CCDA.POCDMT000040.PlayingEntity
Deleting class BCCD.CCDA.POCDMT000040.Precondition
Deleting class BCCD.CCDA.POCDMT000040.Procedure
Deleting class BCCD.CCDA.POCDMT000040.Product
Deleting class BCCD.CCDA.POCDMT000040.RecordTarget
Deleting class BCCD.CCDA.POCDMT000040.Reference
Deleting class BCCD.CCDA.POCDMT000040.ReferenceRange
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Deleting class BCCD.CCDA.POCDMT000040.SubjectPerson
Deleting class BCCD.CCDA.POCDMT000040.SubstanceAdministration
Deleting class BCCD.CCDA.POCDMT000040.Supply
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Deleting class BCCD.CCDA.PPDTS
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Deleting class BCCD.CCDA.ParticipationTargetLocation
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Deleting class BCCD.CCDA.oid
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Deleting class BCCD.CCDA.xActClassDocumentEntryOrganizer
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Deleting class BCCD.CCDA.xParticipationVrfRespSprfWit
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Deleting class BCCD.Install.PreInstallTask
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Deleting class BCCD.Xfer.PopVitalsSign
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Deleting class BCCD.Xfer.Queue
Deleting class BCCD.Xfer.Result
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Deleting class BCCD.Xfer.SocialHistory
Deleting class BCCD.Xfer.VitalSign

Import BCCD package
List started on 02/21/2014 11:20:51
Listing file H:\InterSystems\E3IHS\mgr\Temp\4M7EAc8dQiaZOA.xml as xml
List finished successfully.

Load started on 02/21/2014 11:20:52
Loading file H:\InterSystems\E3IHS\mgr\Temp\7KX1vAl4sizFHQ.xml as xml
Imported class: BCCD.Audit.AuditLog
Imported class: BCCD.Audit.ErrorThrottle
Imported class: BCCD.CCDA.AD
Imported class: BCCD.CCDAADX
Imported class: BCCD.CCDA.ANY
Imported class: BCCD.CCDA.ANYNotNull
Imported class: BCCD.CCDA.ActClass
Imported class: BCCD.CCDA.ActClassComposition
Imported class: BCCD.CCDA.ActClassCondition
Imported class: BCCD.CCDA.ActClassContract
Imported class: BCCD.CCDA.ActClassControlAct
Imported class: BCCD.CCDA.ActClassDocument
Imported class: BCCD.CCDA.ActClassEntry
Imported class: BCCD.CCDA.ActClassExtract
Imported class: BCCD.CCDA.ActClassFinancialContract
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Imported class: BCCD.CCDA.ActClassObservationSeries
Imported class: BCCD.CCDA.ActClassOrganizer
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Imported class: BCCD.CCDA.ActClassSupply
Imported class: BCCD.CCDA.ActClinicalDocument
Imported class: BCCD.CCDA.ActContainer
Imported class: BCCD.CCDA.ActMood
Imported class: BCCD.CCDA.ActMoodCompletionTrack
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Imported class: BCCD.CCDA.ActRelationshipReplacement
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Imported class: BCCD.CCDA.AddressUse
Imported class: BCCD.CCDA.ApplicationMediaType
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Imported class: BCCD.CCDA.BN1
Imported class: BCCD.CCDA.BXITCD
Imported class: BCCD.CCDA.BXITIVLPQ
Imported class: BCCD.CCDA.BinaryDataEncoding
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Imported class: BCCD.CCDA.CD
Imported class: BCCD.CCDA.CE
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Imported class: BCCD.CCDA.ContextControlOverriding
Imported class: BCCD.CCDA.ContextControlPropagating
Imported class: BCCD.CCDA.Currency
Imported class: BCCD.CCDA.DeliveryAddressLine
Imported class: BCCD.CCDA.ED
Imported class: BCCD.CCDA.EIVL.event
Imported class: BCCD.CCDA.EIVLPPDTS
Imported class: BCCD.CCDA.EIVLTS
Imported class: BCCD.CCDA.EN
Imported class: BCCD.CCDA.ENXP
Imported class: BCCD.CCDA.EntityClass
Imported class: BCCD.CCDA.EntityClassContainer
Imported class: BCCD.CCDA.EntityClassDevice
Imported class: BCCD.CCDA.EntityClassLivingSubject
Imported class: BCCD.CCDA.EntityClassManufacturedMaterial
Imported class: BCCD.CCDA.EntityClassMaterial
Imported class: BCCD.CCDA.EntityClassNonPersonLivingSubject
Imported class: BCCD.CCDA.EntityClassOrganization
Imported class: BCCD.CCDA.EntityClassPlace
Imported class: BCCD.CCDA.EntityClassRoot
Imported class: BCCD.CCDA.EntityDeterminer
Imported class: BCCD.CCDA.EntityDeterminerDetermined
Imported class: BCCD.CCDA.EntityNamePartQualifier
Imported class: BCCD.CCDA.EntityNamePartType
Imported class: BCCD.CCDA.EntityNameSearchUse
Imported class: BCCD.CCDA.EntityNameUse
Imported class: BCCD.CCDA.GLISTPQ
Imported class: BCCD.CCDA.GLISTTS
Imported class: BCCD.CCDA.GregorianCalendarCycle
Imported class: BCCD.CCDA.HXITCE
Imported class: BCCD.CCDA.HXITPQ
Imported class: BCCD.CCDA.HomeAddressUse
Imported class: BCCD.CCDA.II
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Imported class: BCCD.CCDA.INT1
Imported class: BCCD.CCDA.IVLINT
Imported class: BCCD.CCDA.IVLMO
Imported class: BCCD.CCDA.IVLPPDPQ
Imported class: BCCD.CCDA.IVLPPDTS
Imported class: BCCD.CCDA.IVLPO
Imported class: BCCD.CCDA.IVLREAL
Imported class: BCCD.CCDA.IVLTS
Imported class: BCCD.CCDA.IVXBINT
Imported class: BCCD.CCDA.IVXBMO
Imported class: BCCD.CCDA.IVXBPPDPQ
Imported class: BCCD.CCDA.IVXBPPDTS
Imported class: BCCD.CCDA.IVXBPO
Imported class: BCCD.CCDA.IVXBREAL
Imported class: BCCD.CCDA.IVXBTS
Imported class: BCCD.CCDA.ImageMediaType
Imported class: BCCD.CCDA.IntegrityCheckAlgorithm
Imported class: BCCD.CCDA.LicensedEntityRole
Imported class: BCCD.CCDA.MO
Imported class: BCCD.CCDA.MediaType
Imported class: BCCD.CCDA.ModelMediaType
Imported class: BCCD.CCDA.MultipartMediaType
Imported class: BCCD.CCDA.NamePseudonymUse
Imported class: BCCD.CCDA.NameRepresentationUse
Imported class: BCCD.CCDA.NoInformation
Imported class: BCCD.CCDA.NullFlavor
Imported class: BCCD.CCDA.ON
Imported class: BCCD.CCDA.OrganizationNamePartQualifier
Imported class: BCCD.CCDA.OrganizationNameUse
Imported class: BCCD.CCDA.Other
Imported class: BCCD.CCDA.PIVLPPDTS
Imported class: BCCD.CCDA.PIVLTS
Imported class: BCCD.CCDA.PN
Imported class: BCCD.CCDA.POCDMT000040.Act
Imported class: BCCD.CCDA.POCDMT000040.AssignedAuthor
Imported class: BCCD.CCDA.POCDMT000040.AssignedCustodian
Imported class: BCCD.CCDA.POCDMT000040.AssignedEntity
Imported class: BCCD.CCDA.POCDMT000040.AssociatedEntity
Imported class: BCCD.CCDA.POCDMT000040.Authenticator
Imported class: BCCD.CCDA.POCDMT000040.Author
Imported class: BCCD.CCDA.POCDMT000040.AuthoringDevice
Imported class: BCCD.CCDA.POCDMT000040.Authorization
Imported class: BCCD.CCDA.POCDMT000040.Birthplace
Imported class: BCCD.CCDA.POCDMT000040.ClinicalDocument
Imported class: BCCD.CCDA.POCDMT000040.Component1
Imported class: BCCD.CCDA.POCDMT000040.Component2
Imported class: BCCD.CCDA.POCDMT000040.Component3
Imported class: BCCD.CCDA.POCDMT000040.Component4
Imported class: BCCD.CCDA.POCDMT000040.Component5
Imported class: BCCD.CCDA.POCDMT000040.Consent
Imported class: BCCD.CCDA.POCDMT000040.Consumable
Imported class: BCCD.CCDA.POCDMT000040.Criterion
Imported class: BCCD.CCDA.POCDMT000040.Custodian
Imported class: BCCD.CCDA.POCDMT000040.CustodianOrganization
Imported class: BCCD.CCDA.POCDMT000040.DataEnterer
Imported class: BCCD.CCDA.POCDMT000040.Device
Imported class: BCCD.CCDA.POCDMT000040.DocumentationOf
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Imported class: BCCD.CCDA.POCDMT000040.EncompassingEncounter
Imported class: BCCD.CCDA.POCDMT000040.Encounter
Imported class: BCCD.CCDA.POCDMT000040.EncounterParticipant
Imported class: BCCD.CCDA.POCDMT000040.Entity
Imported class: BCCD.CCDA.POCDMT000040.Entry
Imported class: BCCD.CCDA.POCDMT000040.EntryRelationship
Imported class: BCCD.CCDA.POCDMT000040.ExternalAct
Imported class: BCCD.CCDA.POCDMT000040.ExternalDocument
Imported class: BCCD.CCDA.POCDMT000040.ExternalObservation
Imported class: BCCD.CCDA.POCDMT000040.ExternalProcedure
Imported class: BCCD.CCDA.POCDMT000040.Guardian
Imported class: BCCD.CCDA.POCDMT000040.HealthCareFacility
Imported class: BCCD.CCDA.POCDMT000040.InFulfillmentOf
Imported class: BCCD.CCDA.POCDMT000040.Informant12
Imported class: BCCD.CCDA.POCDMT000040.InformationRecipient
Imported class: BCCD.CCDA.POCDMT000040.InfrastructureRoot.typeId
Imported class: BCCD.CCDA.POCDMT000040.IntendedRecipient
Imported class: BCCD.CCDA.POCDMT000040.LabeledDrug
Imported class: BCCD.CCDA.POCDMT000040.LanguageCommunication
Imported class: BCCD.CCDA.POCDMT000040.LegalAuthenticator
Imported class: BCCD.CCDA.POCDMT000040.Location
Imported class: BCCD.CCDA.POCDMT000040.MaintainedEntity
Imported class: BCCD.CCDA.POCDMT000040.ManufacturedProduct
Imported class: BCCD.CCDA.POCDMT000040.Material
Imported class: BCCD.CCDA.POCDMT000040.NonXMLBody
Imported class: BCCD.CCDA.POCDMT000040.Observation
Imported class: BCCD.CCDA.POCDMT000040.ObservationMedia
Imported class: BCCD.CCDA.POCDMT000040.ObservationRange
Imported class: BCCD.CCDA.POCDMT000040.Order
Imported class: BCCD.CCDA.POCDMT000040.Organization
Imported class: BCCD.CCDA.POCDMT000040.OrganizationPartof
Imported class: BCCD.CCDA.POCDMT000040.Organizer
Imported class: BCCD.CCDA.POCDMT000040.ParentDocument
Imported class: BCCD.CCDA.POCDMT000040.Participant1
Imported class: BCCD.CCDA.POCDMT000040.Participant2
Imported class: BCCD.CCDA.POCDMT000040.ParticipantRole
Imported class: BCCD.CCDA.POCDMT000040.Patient
Imported class: BCCD.CCDA.POCDMT000040.PatientRole
Imported class: BCCD.CCDA.POCDMT000040.Performer1
Imported class: BCCD.CCDA.POCDMT000040.Performer2
Imported class: BCCD.CCDA.POCDMT000040.Person
Imported class: BCCD.CCDA.POCDMT000040.Place
Imported class: BCCD.CCDA.POCDMT000040.PlayingEntity
Imported class: BCCD.CCDA.POCDMT000040.Precondition
Imported class: BCCD.CCDA.POCDMT000040.Procedure
Imported class: BCCD.CCDA.POCDMT000040.Product
Imported class: BCCD.CCDA.POCDMT000040.RecordTarget
Imported class: BCCD.CCDA.POCDMT000040.Reference
Imported class: BCCD.CCDA.POCDMT000040.ReferenceRange
Imported class: BCCD.CCDA.POCDMT000040.RegionOfInterest
Imported class: BCCD.CCDA.POCDMT000040.RegionOfInterest.value
Imported class: BCCD.CCDA.POCDMT000040.RelatedDocument
Imported class: BCCD.CCDA.POCDMT000040.RelatedEntity
Imported class: BCCD.CCDA.POCDMT000040.RelatedSubject
Imported class: BCCD.CCDA.POCDMT000040.ResponsibleParty
Imported class: BCCD.CCDA.POCDMT000040.Section
Imported class: BCCD.CCDA.POCDMT000040.ServiceEvent
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Imported class: BCCD.CCDA.POCDMT000040.Specimen
Imported class: BCCD.CCDA.POCDMT000040.SpecimenRole
Imported class: BCCD.CCDA.POCDMT000040.StructuredBody
Imported class: BCCD.CCDA.POCDMT000040.Subject
Imported class: BCCD.CCDA.POCDMT000040.SubjectPerson
Imported class: BCCD.CCDA.POCDMT000040.SubstanceAdministration
Imported class: BCCD.CCDA.POCDMT000040.Supply
Imported class: BCCD.CCDA.PPDPQ
Imported class: BCCD.CCDA.PPDTS
Imported class: BCCD.CCDA.PQ
Imported class: BCCD.CCDA.PQR
Imported class: BCCD.CCDA.ParticipationAncillary
Imported class: BCCD.CCDA.ParticipationIndirectTarget
Imported class: BCCD.CCDA.ParticipationInformationGenerator
Imported class: BCCD.CCDA.ParticipationInformationRecipient
Imported class: BCCD.CCDA.ParticipationPhysicalPerformer
Imported class: BCCD.CCDA.ParticipationTargetDevice
Imported class: BCCD.CCDA.ParticipationTargetDirect
Imported class: BCCD.CCDA.ParticipationTargetLocation
Imported class: BCCD.CCDA.ParticipationTargetSubject
Imported class: BCCD.CCDA.ParticipationType
Imported class: BCCD.CCDA.ParticipationVerifier
Imported class: BCCD.CCDA.PersonNamePartAffixTypes
Imported class: BCCD.CCDA.PersonNamePartChangeQualifier
Imported class: BCCD.CCDA.PersonNamePartMiscQualifier
Imported class: BCCD.CCDA.PersonNamePartQualifier
Imported class: BCCD.CCDA.PersonNameUse
Imported class: BCCD.CCDA.PostalAddressUse
Imported class: BCCD.CCDA.ProbabilityDistributionType
Imported class: BCCD.CCDA.QTY
Imported class: BCCD.CCDA.REAL1
Imported class: BCCD.CCDA.RTOMOPQ
Imported class: BCCD.CCDA.RTOPQPQ
Imported class: BCCD.CCDA.RTOQTYQTY
Imported class: BCCD.CCDA.RelatedLinkType
Imported class: BCCD.CCDA.RoleClass
Imported class: BCCD.CCDA.RoleClassAgent
Imported class: BCCD.CCDA.RoleClassAssignedEntity
Imported class: BCCD.CCDA.RoleClassAssociative
Imported class: BCCD.CCDA.RoleClassContact
Imported class: BCCD.CCDA.RoleClassDistributedMaterial
Imported class: BCCD.CCDA.RoleClassEmployee
Imported class: BCCD.CCDA.RoleClassInactiveIngredient
Imported class: BCCD.CCDA.RoleClassIngredientEntity
Imported class: BCCD.CCDA.RoleClassInvestigationSubject
Imported class: BCCD.CCDA.RoleClassIsSpeciesEntity
Imported class: BCCD.CCDA.RoleClassLocatedEntity
Imported class: BCCD.CCDA.RoleClassManufacturedProduct
Imported class: BCCD.CCDA.RoleClassMutualRelationship
Imported class: BCCD.CCDA.RoleClassOntological
Imported class: BCCD.CCDA.RoleClassPartitive
Imported class: BCCD.CCDA.RoleClassPassive
Imported class: BCCD.CCDA.RoleClassRelationshipFormal
Imported class: BCCD.CCDA.RoleClassRoot
Imported class: BCCD.CCDA.RoleClassServiceDeliveryLocation
Imported class: BCCD.CCDA.RoleClassSpecimen
Imported class: BCCD.CCDA.RoleLinkType
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Imported class: BCCD.CCDA.SC
Imported class: BCCD.CCDA.SLISTPQ
Imported class: BCCD.CCDA.SLISTTS
Imported class: BCCD.CCDA.ST1
Imported class: BCCD.CCDA.SXCMCD
Imported class: BCCD.CCDA.SXCMINT
Imported class: BCCD.CCDA.SXCMMO
Imported class: BCCD.CCDA.SXCMPDPQ
Imported class: BCCD.CCDA.SXCMPDTS
Imported class: BCCD.CCDA.SXCMPPQ
Imported class: BCCD.CCDA.SXCMREAL
Imported class: BCCD.CCDA.SXCMTS
Imported class: BCCD.CCDA.SXPRTS
Imported class: BCCD.CCDA.SetOperator
Imported class: BCCD.CCDA.State
Imported class: BCCD.CCDA.StreetAddressLine
Imported class: BCCD.CCDA.StreetName
Imported class: BCCD.CCDA.StrucDoc.Br
Imported class: BCCD.CCDA.StrucDoc.Caption
Imported class: BCCD.CCDA.StrucDoc.Col
Imported class: BCCD.CCDA.StrucDoc.Colgroup
Imported class: BCCD.CCDA.StrucDoc.Content
Imported class: BCCD.CCDA.StrucDoc.Footnote
Imported class: BCCD.CCDA.StrucDoc.FootnoteRef
Imported class: BCCD.CCDA.StrucDoc.Item
Imported class: BCCD.CCDA.StrucDoc.LinkHtml
Imported class: BCCD.CCDA.StrucDoc.List
Imported class: BCCD.CCDA.StrucDoc.Paragraph
Imported class: BCCD.CCDA.StrucDoc.RenderMultiMedia
Imported class: BCCD.CCDA.StrucDoc.Sub
Imported class: BCCD.CCDA.StrucDoc.Sup
Imported class: BCCD.CCDA.StrucDoc.Table
Imported class: BCCD.CCDA.StrucDoc.Tbody
Imported class: BCCD.CCDA.StrucDoc.Td
Imported class: BCCD.CCDA.StrucDoc.Text
Imported class: BCCD.CCDA.StrucDoc.Tfoot
Imported class: BCCD.CCDA.StrucDoc.Th
Imported class: BCCD.CCDA.StrucDoc.Thead
Imported class: BCCD.CCDA.StrucDoc.Title
Imported class: BCCD.CCDA.StrucDoc.TitleContent
Imported class: BCCD.CCDA.StrucDoc.TitleFootnote
Imported class: BCCD.CCDA.StrucDoc.Tr
Imported class: BCCD.CCDA.TEL
Imported class: BCCD.CCDA.TN
Imported class: BCCD.CCDA.TS1
Imported class: BCCD.CCDA.TelecommunicationAddressUse
Imported class: BCCD.CCDA.TemporallyPertains
Imported class: BCCD.CCDA.TextMediaType
Imported class: BCCD.CCDA.TimingEvent
Imported class: BCCD.CCDA.URL1
Imported class: BCCD.CCDA.URLScheme
Imported class: BCCD.CCDA.UVPTS
Imported class: BCCD.CCDA.Unknown
Imported class: BCCD.CCDA.VideoMediaType
Imported class: BCCD.CCDA.WorkPlaceAddressUse
Imported class: BCCD.CCDA.adxp.additionalLocator
Imported class: BCCD.CCDA.adxp.buildingNumberSuffix
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Imported class: BCCD.CCDA.adxp.careOf
Imported class: BCCD.CCDA.adxp.censusTract
Imported class: BCCD.CCDA.adxp.city
Imported class: BCCD.CCDA.adxp.country
Imported class: BCCD.CCDA.adxp.county
Imported class: BCCD.CCDA.adxp.delimiter
Imported class: BCCD.CCDA.adxp.deliveryAddressLine
Imported class: BCCD.CCDA.adxp.deliveryInstallationArea
Imported class: BCCD.CCDA.adxp.deliveryInstallationQualifier
Imported class: BCCD.CCDA.adxp.deliveryInstallationType
Imported class: BCCD.CCDA.adxp.deliveryMode
Imported class: BCCD.CCDA.adxp.deliveryModeIdentifier
Imported class: BCCD.CCDA.adxp.direction
Imported class: BCCD.CCDA.adxp.houseNumber
Imported class: BCCD.CCDA.adxp.houseNumberNumeric
Imported class: BCCD.CCDA.adxp.postBox
Imported class: BCCD.CCDA.adxp.postalCode
Imported class: BCCD.CCDA.adxp.precinct
Imported class: BCCD.CCDA.adxp.state
Imported class: BCCD.CCDA.adxp.streetAddressLine
Imported class: BCCD.CCDA.adxp.streetName
Imported class: BCCD.CCDA.adxp.streetNameBase
Imported class: BCCD.CCDA.adxp.streetNameType
Imported class: BCCD.CCDA.adxp.unitID
Imported class: BCCD.CCDA.adxp.unitType
Imported class: BCCD.CCDA.bn1
Imported class: BCCD.CCDA.bl
Imported class: BCCD.CCDA.bn
Imported class: BCCD.CCDA.cs
Imported class: BCCD.CCDA.en.delimiter
Imported class: BCCD.CCDA.en.family
Imported class: BCCD.CCDA.en.given
Imported class: BCCD.CCDA.en.prefix
Imported class: BCCD.CCDA.en.suffix
Imported class: BCCD.CCDA.hasSupport
Imported class: BCCD.CCDA.int
Imported class: BCCD.CCDA.listint
Imported class: BCCD.CCDA.oid
Imported class: BCCD.CCDA.probability
Imported class: BCCD.CCDA.real
Imported class: BCCD.CCDA.ruid
Imported class: BCCD.CCDA.setEntityNamePartQualifier
Imported class: BCCD.CCDA.setEntityNameUse
Imported class: BCCD.CCDA.setPostalAddressUse
Imported class: BCCD.CCDA.setTelecommunicationAddressUse
Imported class: BCCD.CCDA.st
Imported class: BCCD.CCDA.thumbnail
Imported class: BCCD.CCDA.ts
Imported class: BCCD.CCDA.uid
Imported class: BCCD.CCDA.url
Imported class: BCCD.CCDA.uuid
Imported class: BCCD.CCDA.xActClassDocumentEntryAct
Imported class: BCCD.CCDA.xActClassDocumentEntryOrganizer
Imported class: BCCD.CCDA.xActMoodDefEvn
Imported class: BCCD.CCDA.xActMoodDefEvnRqoPrmsPrp
Imported class: BCCD.CCDA.xActMoodDocumentObservation
Imported class: BCCD.CCDA.xActMoodEvnOrdPrmsPrp
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Imported class: BCCD.CCDA.xActMoodIntentEvent
Imported class: BCCD.CCDA.xActMoodOrdPrms
Imported class: BCCD.CCDA.xActMoodOrdPrmsEvn
Imported class: BCCD.CCDA.xActMoodRqoPrpAptArq
Imported class: BCCD.CCDA.xActRelationshipDocument
Imported class: BCCD.CCDA.xActRelationshipEntry
Imported class: BCCD.CCDA.xActRelationshipEntryRelationship
Imported class: BCCD.CCDA.xActRelationshipExternalReference
Imported class: BCCD.CCDA.xActRelationshipPatientTransport
Imported class: BCCD.CCDA.xActRelationshipPertinentInfo
Imported class: BCCD.CCDA.xDeterminerInstanceKind
Imported class: BCCD.CCDA.xDocumentActMood
Imported class: BCCD.CCDA.xDocumentEncounterMood
Imported class: BCCD.CCDA.xDocumentEntrySubject
Imported class: BCCD.CCDA.xDocumentProcedureMood
Imported class: BCCD.CCDA.xDocumentSubject
Imported class: BCCD.CCDA.xDocumentSubstanceMood
Imported class: BCCD.CCDA.xEncounterParticipant
Imported class: BCCD.CCDA.xEncounterPerformerParticipation
Imported class: BCCD.CCDA.xEntityClassDocumentReceiving
Imported class: BCCD.CCDA.xEntityClassPersonOrOrgReceiving
Imported class: BCCD.CCDA.xInformationRecipient
Imported class: BCCD.CCDA.xInformationRecipientRole
Imported class: BCCD.CCDA.xOrganizationNamePartType
Imported class: BCCD.CCDA.xParticipationAuthorPerformer
Imported class: BCCD.CCDA.xParticipationEntVrf
Imported class: BCCD.CCDA.xParticipationPrfEntVrf
Imported class: BCCD.CCDA.xParticipationVrfRespSprfWit
Imported class: BCCD.CCDA.xPersonNamePartType
Imported class: BCCD.CCDA.xRoleClassAccommodationRequestor
Imported class: BCCD.CCDA.xRoleClassCoverage
Imported class: BCCD.CCDA.xRoleClassCoverageInvoice
Imported class: BCCD.CCDA.xRoleClassCredentialedEntity
Imported class: BCCD.CCDA.xRoleClassPayeePolicyRelationship
Imported class: BCCD.CCDA.xServiceEventPerformer
Imported class: BCCD.Install.Installer
Imported class: BCCD.Install.PostInstallTask
Imported class: BCCD.Install.PreInstallTask
Imported class: BCCD.Install.ProductionSettings
Imported class: BCCD.Prod.Adapters.AlertInbound
Imported class: BCCD.Prod.Adapters.CompiledRecordInbound
Imported class: BCCD.Prod.Adapters.ErrorRecordInbound
Imported class: BCCD.Prod.Adapters.ErrorThrottleInbound
Imported class: BCCD.Prod.Adapters.SuspendedRecordInbound
Imported class: BCCD.Prod.Alert.AlertItem
Imported class: BCCD.Prod.Build.CCD
Imported class: BCCD.Prod.Build.DTL.AllergyComponent
Imported class: BCCD.Prod.Build.DTL.AllergyEntry
Imported class: BCCD.Prod.Build.DTL.CareTeamComponent
Imported class: BCCD.Prod.Build.DTL.CareTeamDocumentationOf
Imported class: BCCD.Prod.Build.DTL.CareTeamEncounterParticipant
Imported class: BCCD.Prod.Build.DTL.CareTeamPerformer
Imported class: BCCD.Prod.Build.DTL.ClinicalDocument
Imported class: BCCD.Prod.Build.DTL.FunctionalStatusComponent
Imported class: BCCD.Prod.Build.DTL.Functions
Imported class: BCCD.Prod.Build.DTL.HospDischargeInstComponent
Imported class: BCCD.Prod.Build.DTL.ImmunizationComponent
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Imported class: BCCD.Prod.Build.DTL.ImmunizationEntry
Imported class: BCCD.Prod.Build.DTL.InstructionComponent
Imported class: BCCD.Prod.Build.DTL.InstructionEntry
Imported class: BCCD.Prod.Build.DTL.MedFrequencyFunctions
Imported class: BCCD.Prod.Build.DTL.MedicationComponent
Imported class: BCCD.Prod.Build.DTL.MedicationEntry
Imported class: BCCD.Prod.Build.DTL.ModuleContext
Imported class: BCCD.Prod.Build.DTL.PlanOfCareComponent
Imported class: BCCD.Prod.Build.DTL.ProblemComponent
Imported class: BCCD.Prod.Build.DTL.ProblemEntry
Imported class: BCCD.Prod.Build.DTL.ProblemObservation
Imported class: BCCD.Prod.Build.DTL.ProcedureComponent
Imported class: BCCD.Prod.Build.DTL.ProcedureEntry
Imported class: BCCD.Prod.Build.DTL.ReasonForReferralComponent
Imported class: BCCD.Prod.Build.DTL.ReasonForVisitComponent
Imported class: BCCD.Prod.Build.DTL.ResultComponent
Imported class: BCCD.Prod.Build.DTL.ResultEntry
Imported class: BCCD.Prod.Build.DTL.ResultObservation
Imported class: BCCD.Prod.Build.DTL.SocialHistoryComponent
Imported class: BCCD.Prod.Build.DTL.SocialHistoryEntry
Imported class: BCCD.Prod.Build.DTL.VitalSignComponent
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Imported class: BCCD.Prod.Build.DTL.VitalSignObservation
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Imported class: BCCD.Prod.Messages.DocumentResponse
Imported class: BCCD.Prod.Messages.ErrorResponse
Imported class: BCCD.Prod.Messages.QueueIdRequest
Imported class: BCCD.Prod.Messages.StreamRequest
Imported class: BCCD.Prod.Operations.FileDoc
Imported class: BCCD.Prod.Processes.Alert.Context
Imported class: BCCD.Prod.Processes.Alert.Thread1
Imported class: BCCD.Prod.Processes.Alert
Imported class: BCCD.Prod.Processes.BuildDoc.Context
Imported class: BCCD.Prod.Processes.BuildDoc.Thread1
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Imported class: BCCD.Prod.PushWS.Op.PatientRecordReceiverOperationResponse
Imported class: BCCD.Prod.PushWS.Op.PatientRecordReceiverPort
Imported class:
BCCD.Prod.PushWS.PatientRecordReceiverPort.PatientRecordReceiverOperation
Imported class: BCCD.Prod.PushWS.PatientRecordReceiverPort
Imported class: BCCD.Prod.PushWS.ns.DocumentComplexType
Imported class: BCCD.Prod.PushWS.ns.DocumentContent
Imported class: BCCD.Prod.PushWS.ns.DocumentType
Imported class: BCCD.Prod.PushWS.xmime.base64Binary
Imported class: BCCD.Prod.PushWS.xmime.hexBinary
Imported class: BCCD.Prod.Services.Alert
Imported class: BCCD.Prod.Services.ClinicalDocumentService.RetrieveDocument
Imported class: BCCD.Prod.Services.ClinicalDocumentService
Imported class: BCCD.Prod.Services.CompiledRecord
Imported class: BCCD.Prod.Services.ErrorRecord
Imported class: BCCD.Prod.Services.ErrorThrottle
Imported class: BCCD.Prod.Services.SuspendedRecord
Imported class: BCCD.Tasks.Purge
```

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Imported class: BCCD.Tasks.UpdateProductionState
Imported class: BCCD.Xfer.Address
Imported class: BCCD.Xfer.Allergy
Imported class: BCCD.Xfer.AllergyCode
Imported class: BCCD.Xfer.AllergyReaction
Imported class: BCCD.Xfer.CCDMain
Imported class: BCCD.Xfer.CCDPopulate
Imported class: BCCD.Xfer.CareTeam
Imported class: BCCD.Xfer.FieldTransformations
Imported class: BCCD.Xfer.FunctionalStatus
Imported class: BCCD.Xfer.GeneralHeader
Imported class: BCCD.Xfer.HospitalDischargeInstruction
Imported class: BCCD.Xfer.Immunization
Imported class: BCCD.Xfer.Instruction
Imported class: BCCD.Xfer.InstructionOrganizer
Imported class: BCCD.Xfer.MedDispense
Imported class: BCCD.Xfer.MedFrequency
Imported class: BCCD.Xfer.Medication
Imported class: BCCD.Xfer.Patient
Imported class: BCCD.Xfer.PerformanceData
Imported class: BCCD.Xfer.PersonName
Imported class: BCCD.Xfer.PlanOfCare
Imported class: BCCD.Xfer.PlanOfCareOrganizer
Imported class: BCCD.Xfer.PopAllergy
Imported class: BCCD.Xfer.PopCareTeam
Imported class: BCCD.Xfer.PopDischargeInstructions
Imported class: BCCD.Xfer.PopFunctionalStatus
Imported class: BCCD.Xfer.PopGeneralHeader
Imported class: BCCD.Xfer.PopImmunization
Imported class: BCCD.Xfer.PopInstructions
Imported class: BCCD.Xfer.PopMedication
Imported class: BCCD.Xfer.PopPatient
Imported class: BCCD.Xfer.PopPlanOfCare
Imported class: BCCD.Xfer.PopProblem
Imported class: BCCD.Xfer.PopProcedure
Imported class: BCCD.Xfer.PopReasonForReferral
Imported class: BCCD.Xfer.PopReasonForVisitHosp
Imported class: BCCD.Xfer.PopResult
Imported class: BCCD.Xfer.PopSocialHistory
Imported class: BCCD.Xfer.PopVitalSign
Imported class: BCCD.Xfer.Problem
Imported class: BCCD.Xfer.Procedure
Imported class: BCCD.Xfer.PushQueue
Imported class: BCCD.Xfer.Queue
Imported class: BCCD.Xfer.Result
Imported class: BCCD.Xfer.ResultOrganizer
Imported class: BCCD.Xfer.SocialHistory
Imported class: BCCD.Xfer.VitalSign, compiling 547 classes
Compiling class BCCD.Audit.AuditLog
Compiling class BCCD.Audit.ErrorThrottle
Compiling class BCCD.CCDA.ANYNotNull
Compiling class BCCD.CCDA.ActClass
Compiling class BCCD.CCDA.ActClassComposition
Compiling class BCCD.CCDA.ActClassCondition
Compiling class BCCD.CCDA.ActClassContract
Compiling class BCCD.CCDA.ActClassDocument
Compiling class BCCD.CCDA.ActClassObservation
```

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Compiling class BCCD.CCDA.ActClassRoot
Compiling class BCCD.CCDA.ActContainer
Compiling class BCCD.CCDA.ActMood
Compiling class BCCD.CCDA.ActMoodCompletionTrack
Compiling class BCCD.CCDA.ActRelationshipAccounting
Compiling class BCCD.CCDA.ActRelationshipConditional
Compiling class BCCD.CCDA.ActRelationshipOutcome
Compiling class BCCD.CCDA.ActRelationshipPertains
Compiling class BCCD.CCDA.ActRelationshipSequel
Compiling class BCCD.CCDA.ActRelationshipType
Compiling class BCCD.CCDA.AddressPartType
Compiling class BCCD.CCDA.AddressUse
Compiling class BCCD.CCDA.BinaryDataEncoding
Compiling class BCCD.CCDA.CalendarCycle
Compiling class BCCD.CCDA.CalendarCycleTwoLetter
Compiling class BCCD.CCDA.ContextControl
Compiling class BCCD.CCDA.EntityClass
Compiling class BCCD.CCDA.EntityClassLivingSubject
Compiling class BCCD.CCDA.EntityClassManufacturedMaterial
Compiling class BCCD.CCDA.EntityClassMaterial
Compiling class BCCD.CCDA.EntityClassOrganization
Compiling class BCCD.CCDA.EntityClassRoot
Compiling class BCCD.CCDA.EntityDeterminer
Compiling class BCCD.CCDA.EntityNamePartQualifier
Compiling class BCCD.CCDA.EntityNamePartType
Compiling class BCCD.CCDA.EntityNameUse
Compiling class BCCD.CCDA.MediaType
Compiling class BCCD.CCDA.NoInformation
Compiling class BCCD.CCDA.NullFlavor
Compiling class BCCD.CCDA.OrganizationNameUse
Compiling class BCCD.CCDA.ParticipationTargetDirect
Compiling class BCCD.CCDA.ParticipationType
Compiling class BCCD.CCDA.PersonNamePartQualifier
Compiling class BCCD.CCDA.PersonNameUse
Compiling class BCCD.CCDA.PostalAddressUse
Compiling class BCCD.CCDA.RoleClass
Compiling class BCCD.CCDA.RoleClassAgent
Compiling class BCCD.CCDA.RoleClassAssignedEntity
Compiling class BCCD.CCDA.RoleClassAssociative
Compiling class BCCD.CCDA.RoleClassIngredientEntity
Compiling class BCCD.CCDA.RoleClassMutualRelationship
Compiling class BCCD.CCDA.RoleClassOntological
Compiling class BCCD.CCDA.RoleClassPartitive
Compiling class BCCD.CCDA.RoleClassPassive
Compiling class BCCD.CCDA.RoleClassRelationshipFormal
Compiling class BCCD.CCDA.RoleClassRoot
Compiling class BCCD.CCDA.RoleLinkType
Compiling class BCCD.CCDA.StreetAddressLine
Compiling class BCCD.CCDA.StrucDoc.Br
Compiling class BCCD.CCDA.StrucDoc.Caption
Compiling class BCCD.CCDA.StrucDoc.Col
Compiling class BCCD.CCDA.StrucDoc.Colgroup
Compiling class BCCD.CCDA.StrucDoc.FootnoteRef
Compiling class BCCD.CCDA.StrucDoc.LinkHtml
Compiling class BCCD.CCDA.StrucDoc.List
Compiling class BCCD.CCDA.StrucDoc.RenderMultiMedia
Compiling class BCCD.CCDA.StrucDoc.Sub
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Compiling class BCCD.CCDA.StrucDoc.Sup
Compiling class BCCD.CCDA.StrucDoc.Table
Compiling class BCCD.CCDA.StrucDoc.Tbody
Compiling class BCCD.CCDA.StrucDoc.Tfoot
Compiling class BCCD.CCDA.StrucDoc.Thead
Compiling class BCCD.CCDA.StrucDoc.Tr
Compiling class BCCD.CCDA.TelecommunicationAddressUse
Compiling class BCCD.CCDA.Unknown
Compiling class BCCD.CCDA.bin1
Compiling class BCCD.CCDA.bl
Compiling class BCCD.CCDA.cs
Compiling class BCCD.CCDA.int
Compiling class BCCD.CCDA.listint
Compiling class BCCD.CCDA.oid
Compiling class BCCD.CCDA.probability
Compiling class BCCD.CCDA.real
Compiling class BCCD.CCDA.ruid
Compiling class BCCD.CCDA.setEntityNamePartQualifier
Compiling class BCCD.CCDA.setEntityNameUse
Compiling class BCCD.CCDA.setPostalAddressUse
Compiling class BCCD.CCDA.setTelecommunicationAddressUse
Compiling class BCCD.CCDA.st
Compiling class BCCD.CCDA.ts
Compiling class BCCD.CCDA.uid
Compiling class BCCD.CCDA.url
Compiling class BCCD.CCDA.uuid
Compiling class BCCD.CCDA.xActMoodIntentEvent
Compiling class BCCD.CCDA.xEntityClassDocumentReceiving
Compiling class BCCD.CCDA.xEntityClassPersonOrOrgReceiving
Compiling class BCCD.CCDA.xRoleClassCredentialedEntity
Compiling class BCCD.Install.Installer
Compiling routine : BCCD.Install.Installer.G1.MAC
Compiling class BCCD.Install.PostInstallTask
Compiling class BCCD.Install.PreInstallTask
Compiling class BCCD.Install.ProductionSettings
Compiling class BCCD.Prod.Adapters.AlertInbound
Compiling class BCCD.Prod.Adapters.CompiledRecordInbound
Compiling class BCCD.Prod.Adapters.ErrorRecordInbound
Compiling class BCCD.Prod.Adapters.ErrorThrottleInbound
Compiling class BCCD.Prod.Adapters.SuspendedRecordInbound
Compiling class BCCD.Prod.Alert.AlertItem
Compiling class BCCD.Prod.Build.DTL.Functions
Compiling class BCCD.Prod.Build.DTL.MedFrequencyFunctions
Compiling class BCCD.Prod.Build.DTL.ModuleContext
Compiling class BCCD.Prod.Build.Main
Compiling class BCCD.Prod.Messages.DocumentRequest
Compiling class BCCD.Prod.Messages.DocumentResponse
Compiling class BCCD.Prod.Messages.ErrorResponse
Compiling class BCCD.Prod.Messages.QueueIdRequest
Compiling class BCCD.Prod.Messages.StreamRequest
Compiling class BCCD.Prod.Operations.FileDoc
Compiling class BCCD.Prod.Processes.Alert
Compiling class BCCD.Prod.Processes.BuildDoc
Compiling class BCCD.Prod.Processes.TransmitPush
Compiling class BCCD.Prod.Production
Compiling class BCCD.Prod.PushWS.Op.PatientRecordReceiverOperationResponse
Compiling class BCCD.Prod.PushWS.Op.PatientRecordReceiverPort
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Compiling class BCCD.Prod.PushWS.PatientRecordReceiverPort
Compiling class BCCD.Prod.PushWS.ns.DocumentContent
Compiling class BCCD.Prod.PushWS.ns.DocumentType
Compiling class BCCD.Prod.PushWS.xmime.base64Binary
Compiling class BCCD.Prod.PushWS.xmime.hexBinary
Compiling class BCCD.Prod.Services.Alert
Compiling class BCCD.Prod.Services.ClinicalDocumentService
Compiling class BCCD.Prod.Services.CompiledRecord
Compiling class BCCD.Prod.Services.ErrorRecord
Compiling class BCCD.Prod.Services.ErrorThrottle
Compiling class BCCD.Prod.Services.SuspendedRecord
Compiling class BCCD.Tasks.Purge
Compiling class BCCD.Tasks.UpdateProductionState
Compiling class BCCD.Xfer.Address
Compiling class BCCD.Xfer.CCDMain
Compiling class BCCD.Xfer.PerformanceData
Compiling class BCCD.Xfer.PersonName
Compiling class BCCD.Xfer.Queue
Compiling class BCCD.Xfer.SocialHistory
Compiling class BCCD.CCDA.ANY
Compiling class BCCD.CCDA.ActClassControlAct
Compiling class BCCD.CCDA.ActClassEntry
Compiling class BCCD.CCDA.ActClassExtract
Compiling class BCCD.CCDA.ActClassFinancialContract
Compiling class BCCD.CCDA.ActClassObservationSeries
Compiling class BCCD.CCDA.ActClassOrganizer
Compiling class BCCD.CCDA.ActClassPublicHealthCase
Compiling class BCCD.CCDA.ActClassROI
Compiling class BCCD.CCDA.ActClassSupply
Compiling class BCCD.CCDA.ActClinicalDocument
Compiling class BCCD.CCDA.ActMoodIntent
Compiling class BCCD.CCDA.ActMoodPredicate
Compiling class BCCD.CCDA.ActRelationshipCostTracking
Compiling class BCCD.CCDA.ActRelationshipExcerpt
Compiling class BCCD.CCDA.ActRelationshipFulfills
Compiling class BCCD.CCDA.ActRelationshipHasComponent
Compiling class BCCD.CCDA.ActRelationshipObjective
Compiling class BCCD.CCDA.ActRelationshipPosting
Compiling class BCCD.CCDA.ActRelationshipReason
Compiling class BCCD.CCDA.ActRelationshipReplacement
Compiling class BCCD.CCDA.AdditionalLocator
Compiling class BCCD.CCDA.ApplicationMediaType
Compiling class BCCD.CCDA.AskedButUnknown
Compiling class BCCD.CCDA.AudioMediaType
Compiling class BCCD.CCDA.BuildingNumber
Compiling class BCCD.CCDA.CS1
Compiling class BCCD.CCDA.CV
Compiling class BCCD.CCDA.CalendarCycleOneLetter
Compiling class BCCD.CCDA.Classes
Compiling class BCCD.CCDA.CommunicationFunctionType
Compiling class BCCD.CCDA.CompressionAlgorithm
Compiling class BCCD.CCDA.ContextControlAdditive
Compiling class BCCD.CCDA.ContextControlNonPropagating
Compiling class BCCD.CCDA.ContextControlOverriding
Compiling class BCCD.CCDA.ContextControlPropagating
Compiling class BCCD.CCDA.Currency
Compiling class BCCD.CCDA.DeliveryAddressLine
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Compiling class BCCD.CCDA.EntityClassContainer
Compiling class BCCD.CCDA.EntityClassDevice
Compiling class BCCD.CCDA.EntityClassNonPersonLivingSubject
Compiling class BCCD.CCDA.EntityClassPlace
Compiling class BCCD.CCDA.EntityDeterminerDetermined
Compiling class BCCD.CCDA.EntityNameSearchUse
Compiling class BCCD.CCDA.GregorianCalendarCycle
Compiling class BCCD.CCDA.HomeAddressUse
Compiling class BCCD.CCDA.ImageMediaType
Compiling class BCCD.CCDA.IntegrityCheckAlgorithm
Compiling class BCCD.CCDA.LicensedEntityRole
Compiling class BCCD.CCDA.ModelMediaType
Compiling class BCCD.CCDA.MultipartMediaType
Compiling class BCCD.CCDA.NamePseudonymUse
Compiling class BCCD.CCDA.NameRepresentationUse
Compiling class BCCD.CCDA.ON
Compiling class BCCD.CCDA.OrganizationNamePartQualifier
Compiling class BCCD.CCDA.Other
Compiling class BCCD.CCDA.POCDMT000040.AssignedAuthor
Compiling class BCCD.CCDA.POCDMT000040.AssignedCustodian
Compiling class BCCD.CCDA.POCDMT000040.AssignedEntity
Compiling class BCCD.CCDA.POCDMT000040.AssociatedEntity
Compiling class BCCD.CCDA.POCDMT000040.Authenticator
Compiling class BCCD.CCDA.POCDMT000040.Author
Compiling class BCCD.CCDA.POCDMT000040.Authorization
Compiling class BCCD.CCDA.POCDMT000040.Birthplace
Compiling class BCCD.CCDA.POCDMT000040.Consent
Compiling class BCCD.CCDA.POCDMT000040.Consumable
Compiling class BCCD.CCDA.POCDMT000040.Criterion
Compiling class BCCD.CCDA.POCDMT000040.Custodian
Compiling class BCCD.CCDA.POCDMT000040.CustodianOrganization
Compiling class BCCD.CCDA.POCDMT000040.DataEnterer
Compiling class BCCD.CCDA.POCDMT000040.DocumentationOf
Compiling class BCCD.CCDA.POCDMT000040.EncompassingEncounter
Compiling class BCCD.CCDA.POCDMT000040.Entity
Compiling class BCCD.CCDA.POCDMT000040.ExternalAct
Compiling class BCCD.CCDA.POCDMT000040.ExternalDocument
Compiling class BCCD.CCDA.POCDMT000040.ExternalObservation
Compiling class BCCD.CCDA.POCDMT000040.ExternalProcedure
Compiling class BCCD.CCDA.POCDMT000040.Guardian
Compiling class BCCD.CCDA.POCDMT000040.Informant12
Compiling class BCCD.CCDA.POCDMT000040.InfrastructureRoot.typeId
Compiling class BCCD.CCDA.POCDMT000040.LanguageCommunication
Compiling class BCCD.CCDA.POCDMT000040.LegalAuthenticator
Compiling class BCCD.CCDA.POCDMT000040.MaintainedEntity
Compiling class BCCD.CCDA.POCDMT000040.NonXMLBody
Compiling class BCCD.CCDA.POCDMT000040.ObservationMedia
Compiling class BCCD.CCDA.POCDMT000040.ObservationRange
Compiling class BCCD.CCDA.POCDMT000040.Order
Compiling class BCCD.CCDA.POCDMT000040.Organization
Compiling class BCCD.CCDA.POCDMT000040.OrganizationPartOf
Compiling class BCCD.CCDA.POCDMT000040.Participant1
Compiling class BCCD.CCDA.POCDMT000040.Participant2
Compiling class BCCD.CCDA.POCDMT000040.ParticipantRole
Compiling class BCCD.CCDA.POCDMT000040.Patient
Compiling class BCCD.CCDA.POCDMT000040.PatientRole
Compiling class BCCD.CCDA.POCDMT000040.Person
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Compiling class BCCD.CCDA.POCDMT000040.PlayingEntity
Compiling class BCCD.CCDA.POCDMT000040.Precondition
Compiling class BCCD.CCDA.POCDMT000040.Product
Compiling class BCCD.CCDA.POCDMT000040.RecordTarget
Compiling class BCCD.CCDA.POCDMT000040.ReferenceRange
Compiling class BCCD.CCDA.POCDMT000040.RegionOfInterest
Compiling class BCCD.CCDA.POCDMT000040.RelatedEntity
Compiling class BCCD.CCDA.POCDMT000040.ResponsibleParty
Compiling class BCCD.CCDA.POCDMT000040.Section
Compiling class BCCD.CCDA.POCDMT000040.ServiceEvent
Compiling class BCCD.CCDA.POCDMT000040.Specimen
Compiling class BCCD.CCDA.POCDMT000040.StructuredBody
Compiling class BCCD.CCDA.POCDMT000040.SubjectPerson
Compiling class BCCD.CCDA.ParticipationAncillary
Compiling class BCCD.CCDA.ParticipationIndirectTarget
Compiling class BCCD.CCDA.ParticipationInformationGenerator
Compiling class BCCD.CCDA.ParticipationInformationRecipient
Compiling class BCCD.CCDA.ParticipationPhysicalPerformer
Compiling class BCCD.CCDA.ParticipationTargetDevice
Compiling class BCCD.CCDA.ParticipationTargetLocation
Compiling class BCCD.CCDA.ParticipationTargetSubject
Compiling class BCCD.CCDA.ParticipationVerifier
Compiling class BCCD.CCDA.PersonNamePartAffixTypes
Compiling class BCCD.CCDA.PersonNamePartChangeQualifier
Compiling class BCCD.CCDA.PersonNamePartMiscQualifier
Compiling class BCCD.CCDA.ProbabilityDistributionType
Compiling class BCCD.CCDA.RelatedLinkType
Compiling class BCCD.CCDA.RoleClassContact
Compiling class BCCD.CCDA.RoleClassDistributedMaterial
Compiling class BCCD.CCDA.RoleClassEmployee
Compiling class BCCD.CCDA.RoleClassInactiveIngredient
Compiling class BCCD.CCDA.RoleClassInvestigationSubject
Compiling class BCCD.CCDA.RoleClassIsSpeciesEntity
Compiling class BCCD.CCDA.RoleClassLocatedEntity
Compiling class BCCD.CCDA.RoleClassManufacturedProduct
Compiling class BCCD.CCDA.RoleClassServiceDeliveryLocation
Compiling class BCCD.CCDA.RoleClassSpecimen
Compiling class BCCD.CCDA.ST1
Compiling class BCCD.CCDA.SetOperator
Compiling class BCCD.CCDA.State
Compiling class BCCD.CCDA.StreetName
Compiling class BCCD.CCDA.StrucDoc.Content
Compiling class BCCD.CCDA.StrucDoc.Footnote
Compiling class BCCD.CCDA.StrucDoc.Item
Compiling class BCCD.CCDA.StrucDoc.Paragraph
Compiling class BCCD.CCDA.StrucDoc.Td
Compiling class BCCD.CCDA.StrucDoc.Text
Compiling class BCCD.CCDA.StrucDoc.Th
Compiling class BCCD.CCDA.StrucDoc.Title
Compiling class BCCD.CCDA.StrucDoc.TitleContent
Compiling class BCCD.CCDA.StrucDoc.TitleFootnote
Compiling class BCCD.CCDA.TN
Compiling class BCCD.CCDA.TemporallyPertains
Compiling class BCCD.CCDA.TextMediaType
Compiling class BCCD.CCDA.TimingEvent
Compiling class BCCD.CCDA.URLScheme
Compiling class BCCD.CCDA.VideoMediaType
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Compiling class BCCD.CCDA.WorkPlaceAddressUse
Compiling class BCCD.CCDA.adxp.additionalLocator
Compiling class BCCD.CCDA.adxp.buildingNumberSuffix
Compiling class BCCD.CCDA.adxp.careOf
Compiling class BCCD.CCDA.adxp.censusTract
Compiling class BCCD.CCDA.adxp.city
Compiling class BCCD.CCDA.adxp.country
Compiling class BCCD.CCDA.adxp.county
Compiling class BCCD.CCDA.adxp.delimiter
Compiling class BCCD.CCDA.adxp.deliveryAddressLine
Compiling class BCCD.CCDA.adxp.deliveryInstallationArea
Compiling class BCCD.CCDA.adxp.deliveryInstallationQualifier
Compiling class BCCD.CCDA.adxp.deliveryInstallationType
Compiling class BCCD.CCDA.adxp.deliveryMode
Compiling class BCCD.CCDA.adxp.deliveryModeIdentifier
Compiling class BCCD.CCDA.adxp.direction
Compiling class BCCD.CCDA.adxp.houseNumber
Compiling class BCCD.CCDA.adxp.houseNumberNumeric
Compiling class BCCD.CCDA.adxp.postBox
Compiling class BCCD.CCDA.adxp.postalCode
Compiling class BCCD.CCDA.adxp.precinct
Compiling class BCCD.CCDA.adxp.state
Compiling class BCCD.CCDA.adxp.streetAddressLine
Compiling class BCCD.CCDA.adxp.streetName
Compiling class BCCD.CCDA.adxp.streetNameBase
Compiling class BCCD.CCDA.adxp.streetNameType
Compiling class BCCD.CCDA.adxp.unitID
Compiling class BCCD.CCDA.adxp.unitType
Compiling class BCCD.CCDA.bn
Compiling class BCCD.CCDA.en.delimiter
Compiling class BCCD.CCDA.en.family
Compiling class BCCD.CCDA.en.given
Compiling class BCCD.CCDA.en.prefix
Compiling class BCCD.CCDA.en.suffix
Compiling class BCCD.CCDA.hasSupport
Compiling class BCCD.CCDA.xActClassDocumentEntryAct
Compiling class BCCD.CCDA.xActClassDocumentEntryOrganizer
Compiling class BCCD.CCDA.xActMoodDefEvn
Compiling class BCCD.CCDA.xActMoodDefEvnRqoPrmsPrp
Compiling class BCCD.CCDA.xActMoodDocumentObservation
Compiling class BCCD.CCDA.xActMoodEvnOrdPrmsPrp
Compiling class BCCD.CCDA.xActMoodOrdPrms
Compiling class BCCD.CCDA.xActMoodOrdPrmsEvn
Compiling class BCCD.CCDA.xActMoodRqoPrpAptArq
Compiling class BCCD.CCDA.xActRelationshipDocument
Compiling class BCCD.CCDA.xActRelationshipEntry
Compiling class BCCD.CCDA.xActRelationshipEntryRelationship
Compiling class BCCD.CCDA.xActRelationshipExternalReference
Compiling class BCCD.CCDA.xActRelationshipPatientTransport
Compiling class BCCD.CCDA.xActRelationshipPertinentInfo
Compiling class BCCD.CCDA.xDeterminerInstanceKind
Compiling class BCCD.CCDA.xDocumentActMood
Compiling class BCCD.CCDA.xDocumentEncounterMood
Compiling class BCCD.CCDA.xDocumentEntrySubject
Compiling class BCCD.CCDA.xDocumentProcedureMood
Compiling class BCCD.CCDA.xDocumentSubject
Compiling class BCCD.CCDA.xDocumentSubstanceMood
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Compiling class BCCD.CCDA.xEncounterParticipant
Compiling class BCCD.CCDA.xEncounterPerformerParticipation
Compiling class BCCD.CCDA.xInformationRecipient
Compiling class BCCD.CCDA.xInformationRecipientRole
Compiling class BCCD.CCDA.xOrganizationNamePartType
Compiling class BCCD.CCDA.xParticipationAuthorPerformer
Compiling class BCCD.CCDA.xParticipationEntVrf
Compiling class BCCD.CCDA.xParticipationPrfEntVrf
Compiling class BCCD.CCDA.xParticipationVrfRespSprfWit
Compiling class BCCD.CCDA.xPersonNamePartType
Compiling class BCCD.CCDA.xRoleClassAccommodationRequestor
Compiling class BCCD.CCDA.xRoleClassCoverage
Compiling class BCCD.CCDA.xRoleClassCoverageInvoice
Compiling class BCCD.CCDA.xRoleClassPayeePolicyRelationship
Compiling class BCCD.CCDA.xServiceEventPerformer
Compiling class BCCD.Prod.Build.CCD
Compiling class BCCD.Prod.Processes.Alert.Context
Compiling class BCCD.Prod.Processes.Alert.Thread1
Compiling class BCCD.Prod.Processes.BuildDoc.Context
Compiling class BCCD.Prod.Processes.BuildDoc.Thread1
Compiling class BCCD.Prod.PushWS.ns.DocumentComplexType
Compiling class BCCD.Xfer.Allergy
Compiling class BCCD.Xfer.CCDPopulate
Compiling class BCCD.Xfer.CareTeam
Compiling class BCCD.Xfer.FieldTransformations
Compiling class BCCD.Xfer.FunctionalStatus
Compiling class BCCD.Xfer.GeneralHeader
Compiling class BCCD.Xfer.HospitalDischargeInstruction
Compiling class BCCD.Xfer.Immunization
Compiling class BCCD.Xfer.InstructionOrganizer
Compiling class BCCD.Xfer.Medication
Compiling class BCCD.Xfer.Patient
Compiling class BCCD.Xfer.PlanOfCareOrganizer
Compiling class BCCD.Xfer.PopAllergy
Compiling class BCCD.Xfer.PopCareTeam
Compiling class BCCD.Xfer.PopDischargeInstructions
Compiling class BCCD.Xfer.PopFunctionalStatus
Compiling class BCCD.Xfer.PopGeneralHeader
Compiling class BCCD.Xfer.PopImmunization
Compiling class BCCD.Xfer.PopInstructions
Compiling class BCCD.Xfer.PopMedication
Compiling class BCCD.Xfer.PopPatient
Compiling class BCCD.Xfer.PopPlanOfCare
Compiling class BCCD.Xfer.PopProblem
Compiling class BCCD.Xfer.PopProcedure
Compiling class BCCD.Xfer.PopReasonForReferral
Compiling class BCCD.Xfer.PopReasonForVisitHosp
Compiling class BCCD.Xfer.PopResult
Compiling class BCCD.Xfer.PopSocialHistory
Compiling class BCCD.Xfer.PopVitalSign
Compiling class BCCD.Xfer.Problem
Compiling class BCCD.Xfer.Procedure
Compiling class BCCD.Xfer.PushQueue
Compiling class BCCD.Xfer.ResultOrganizer
Compiling class BCCD.Xfer.Vitalsign
Compiling class BCCD.CCDA.AD
Compiling class BCCD.CCDA.ADXP
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Compiling class BCCD.CCDA.BIN
Compiling class BCCD.CCDA.BL1
Compiling class BCCD.CCDA.BN1
Compiling class BCCD.CCDA.CD
Compiling class BCCD.CCDA.CR
Compiling class BCCD.CCDA.EIVL.event
Compiling class BCCD.CCDA.EN
Compiling class BCCD.CCDA.ENXP
Compiling class BCCD.CCDA.GLISTPQ
Compiling class BCCD.CCDA.GLISTTS
Compiling class BCCD.CCDA.II
Compiling class BCCD.CCDA.POCDMT000040.Act
Compiling class BCCD.CCDA.POCDMT000040.AuthoringDevice
Compiling class BCCD.CCDA.POCDMT000040.ClinicalDocument
Compiling class BCCD.CCDA.POCDMT000040.Component1
Compiling class BCCD.CCDA.POCDMT000040.Component2
Compiling class BCCD.CCDA.POCDMT000040.Component3
Compiling class BCCD.CCDA.POCDMT000040.Component4
Compiling class BCCD.CCDA.POCDMT000040.Component5
Compiling class BCCD.CCDA.POCDMT000040.Device
Compiling class BCCD.CCDA.POCDMT000040.Encounter
Compiling class BCCD.CCDA.POCDMT000040.EncounterParticipant
Compiling class BCCD.CCDA.POCDMT000040.Entry
Compiling class BCCD.CCDA.POCDMT000040.EntryRelationship
Compiling class BCCD.CCDA.POCDMT000040.HealthCareFacility
Compiling class BCCD.CCDA.POCDMT000040.InFulfillmentOf
Compiling class BCCD.CCDA.POCDMT000040.InformationRecipient
Compiling class BCCD.CCDA.POCDMT000040.IntendedRecipient
Compiling class BCCD.CCDA.POCDMT000040.LabeledDrug
Compiling class BCCD.CCDA.POCDMT000040.Location
Compiling class BCCD.CCDA.POCDMT000040.ManufacturedProduct
Compiling class BCCD.CCDA.POCDMT000040.Material
Compiling class BCCD.CCDA.POCDMT000040.Observation
Compiling class BCCD.CCDA.POCDMT000040.Organizer
Compiling class BCCD.CCDA.POCDMT000040.ParentDocument
Compiling class BCCD.CCDA.POCDMT000040.Performer1
Compiling class BCCD.CCDA.POCDMT000040.Performer2
Compiling class BCCD.CCDA.POCDMT000040.Place
Compiling class BCCD.CCDA.POCDMT000040.Procedure
Compiling class BCCD.CCDA.POCDMT000040.Reference
Compiling class BCCD.CCDA.POCDMT000040.RelatedDocument
Compiling class BCCD.CCDA.POCDMT000040.RelatedSubject
Compiling class BCCD.CCDA.POCDMT000040.SpecimenRole
Compiling class BCCD.CCDA.POCDMT000040.Subject
Compiling class BCCD.CCDA.POCDMT000040.SubstanceAdministration
Compiling class BCCD.CCDA.POCDMT000040.Supply
Compiling class BCCD.CCDA.PQR
Compiling class BCCD.CCDA.QTY
Compiling class BCCD.CCDA.SC
Compiling class BCCD.CCDA.SLISTPQ
Compiling class BCCD.CCDA.SLISTTS
Compiling class BCCD.CCDA.URL1
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Compiling class BCCD.Xfer.AllergyCode
Compiling class BCCD.Xfer.AllergyReaction
Compiling class BCCD.Xfer.Instruction
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Compiling class BCCD.Xfer.MedFrequency
Compiling class BCCD.Xfer.PlanOfCare
Compiling class BCCD.Xfer.Result
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Compiling class BCCD.CCDA.CE
Compiling class BCCD.CCDA.ED
Compiling class BCCD.CCDA.INT1
Compiling class BCCD.CCDA.MO
Compiling class BCCD.CCDA.PN
Compiling class BCCD.CCDA.PQ
Compiling class BCCD.CCDA.REAL1
Compiling class BCCD.CCDA.RTOMOPQ
Compiling class BCCD.CCDA.RTOPQPQ
Compiling class BCCD.CCDA.RTOQTYQTY
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Compiling class BCCD.CCDA.HXITPQ
Compiling class BCCD.CCDA.IVXBINT
Compiling class BCCD.CCDA.IVXBMO
Compiling class BCCD.CCDA.IVXBPO
Compiling class BCCD.CCDA.IVXBREAL
Compiling class BCCD.CCDA.IVXBTS
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Compiling class BCCD.CCDA.SXCMMO
Compiling class BCCD.CCDA.SXCMPO
Compiling class BCCD.CCDA.SXCMREAL
Compiling class BCCD.CCDA.SXCMTS
Compiling class BCCD.CCDA.UVPTS
Compiling class BCCD.CCDA.EIVLTS
Compiling class BCCD.CCDA.IVLINT
Compiling class BCCD.CCDA.IVLMO
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Compiling class BCCD.CCDA.IVXBPPDTS
Compiling class BCCD.CCDA.PIVLTS
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Compiling class BCCD.CCDA.SXCMPPDTS
Compiling class BCCD.CCDA.SXPRTS
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Compiling table BCCD_CCDA.ADXP
Compiling table BCCD_CCDA.ANYNonNull
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Compiling table BCCD_CCDA.BXITIVLPQ
Compiling table BCCD_CCDA.CD
Compiling table BCCD_CCDA.CE
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Compiling table BCCD_CCDA.CS1
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Compiling table BCCD_CCDA.ENXP
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Compiling table BCCD_CCDA.IVXBTS
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Compiling table BCCD_CCDA.SXPRTS
Compiling table BCCD_CCDA.TEL
Compiling table BCCD_CCDA.TN
Compiling table BCCD_CCDA.TS1
Compiling table BCCD_CCDA.URL1
Compiling table BCCD_CCDA.UVPTS
Compiling table BCCD_CCDA._ANY
Compiling table BCCD_CCDA._ON
Compiling table BCCD_CCDA.thumbnail
Compiling table BCCD_CCDA_EIVL.event
Compiling table BCCD_CCDA_POCDMT000040.Act
Compiling table BCCD_CCDA_POCDMT000040.AssignedAuthor
Compiling table BCCD_CCDA_POCDMT000040.AssignedCustodian
Compiling table BCCD_CCDA_POCDMT000040.AssignedEntity
Compiling table BCCD_CCDA_POCDMT000040.AssociatedEntity
Compiling table BCCD_CCDA_POCDMT000040.Authenticator
Compiling table BCCD_CCDA_POCDMT000040.Author
Compiling table BCCD_CCDA_POCDMT000040.AuthoringDevice
Compiling table BCCD_CCDA_POCDMT000040.Birthplace
Compiling table BCCD_CCDA_POCDMT000040.ClinicalDocument
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Compiling table BCCD_CCDA_POCDMT000040.Component2
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Compiling table BCCD_CCDA_POCDMT000040.Component4
Compiling table BCCD_CCDA_POCDMT000040.Component5
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Compiling table BCCD_CCDA_POCDMT000040.Criterion
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Compiling table BCCD_CCDA_POCDMT000040.InFulfillmentOf
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Compiling table BCCD_CCDA_POCDMT000040.IntendedRecipient
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Compiling table BCCD_CCDA_POCDMT000040.LanguageCommunication
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Compiling table BCCD_CCDA_POCDMT000040.Participant2
Compiling table BCCD_CCDA_POCDMT000040.ParticipantRole
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Compiling table BCCD_CCDA_POCDMT000040.Performer1
Compiling table BCCD_CCDA_POCDMT000040.Performer2
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Compiling table BCCD_CCDA_POCDMT000040.Place
Compiling table BCCD_CCDA_POCDMT000040.PlayingEntity
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Compiling table BCCD_CCDA_POCDMT000040.ReferenceRange
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Compiling table BCCD_Prod_Processes_Alert.Thread1__PendingResponses
Compiling table BCCD_Prod_Processes_Alert.Thread1__SyncResponses
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Compiling table BCCD_Prod_Processes_BuildDoc.Context__ResponseHandlers
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Compiling routine BCCD.CCDA.POCDMT000040.SubstanceAdministration.1
Compiling routine BCCD.CCDA.POCDMT000040.Supply.1
Compiling routine BCCD.CCDA.PQR.1
Compiling routine BCCD.CCDA.QTY.1
Compiling routine BCCD.CCDA.SC.1
Compiling routine BCCD.CCDA.SLISTPQ.1
Compiling routine BCCD.CCDA.SLISTTS.1
Compiling routine BCCD.CCDA.URL1.1
Compiling routine BCCD.CCDA.thumbnail.1
Compiling routine
BCCD.Prod.PushWS.Op.PatientRecordReceiverOperationRequest.1
Compiling routine BCCD.Xfer.AllergyCode.1
Compiling routine BCCD.Xfer.AllergyReaction.1
Compiling routine BCCD.Xfer.Instruction.1
Compiling routine BCCD.Xfer.MedDispense.1
Compiling routine BCCD.Xfer.MedFrequency.1
Compiling routine BCCD.Xfer.PlanOfCare.1
Compiling routine BCCD.Xfer.Result.1
Compiling routine BCCD.CCDA.BXITCD.1
Compiling routine BCCD.CCDA.CE.1
Compiling routine BCCD.CCDA.ED.1
Compiling routine BCCD.CCDA.INT1.1
Compiling routine BCCD.CCDA.MO.1
Compiling routine BCCD.CCDA.PN.1
Compiling routine BCCD.CCDA.PQ.1
Compiling routine BCCD.CCDA.REAL1.1
Compiling routine BCCD.CCDA.RTOMOPQ.1
Compiling routine BCCD.CCDA.RTOPQPQ.1
Compiling routine BCCD.CCDA.RTOQTYQTY.1
Compiling routine BCCD.CCDA.SXCMCD.1
Compiling routine BCCD.CCDA.TEL.1
Compiling routine BCCD.CCDA.TS1.1
Compiling routine BCCD.CCDA.CE1.1
Compiling routine BCCD.CCDA.HXITCE.1
Compiling routine BCCD.CCDA.HXITPQ.1
Compiling routine BCCD.CCDA.IVXBINT.1
Compiling routine BCCD.CCDA.IVXBMO.1
Compiling routine BCCD.CCDA.IVXBPO.1
Compiling routine BCCD.CCDA.IVXBREAL.1
Compiling routine BCCD.CCDA.IVXBTS.1
```

```
Compiling routine BCCD.CCDA.POCDMT000040.RegionOfInterest.value.1
Compiling routine BCCD.CCDA.PPDPQ.1
Compiling routine BCCD.CCDA.PPDTS.1
Compiling routine BCCD.CCDA.SXCMINT.1
Compiling routine BCCD.CCDA.SXCMMO.1
Compiling routine BCCD.CCDA.SXCMPQ.1
Compiling routine BCCD.CCDA.SXCMREAL.1
Compiling routine BCCD.CCDA.SXCMTS.1
Compiling routine BCCD.CCDA.UVPTS.1
Compiling routine BCCD.CCDA.EIVLTS.1
Compiling routine BCCD.CCDA.IVLINT.1
Compiling routine BCCD.CCDA.IVLMO.1
Compiling routine BCCD.CCDA.IVLPQ.1
Compiling routine BCCD.CCDA.IVLREAL.1
Compiling routine BCCD.CCDA.IVLTS.1
Compiling routine BCCD.CCDA.IVXBPPDPQ.1
Compiling routine BCCD.CCDA.IVXBPPDTS.1
Compiling routine BCCD.CCDA.PIVLTS.1
Compiling routine BCCD.CCDA.SXCMPPDPQ.1
Compiling routine BCCD.CCDA.SXCMPPDTS.1
Compiling routine BCCD.CCDA.SXPRTS.1
Compiling routine BCCD.CCDA.BXITIVLPQ.1
Compiling routine BCCD.CCDA.EIVLPPDTS.1
Compiling routine BCCD.CCDA.IVLPPDPQ.1
Compiling routine BCCD.CCDA.IVLPPDTS.1
Compiling routine BCCD.CCDA.PIVLPPDTS.1
Compiling class BCCD.Prod.Build.DTL.AllergyComponent
Compiling class BCCD.Prod.Build.DTL.AllergyEntry
Compiling class BCCD.Prod.Build.DTL.CareTeamComponent
Compiling class BCCD.Prod.Build.DTL.CareTeamDocumentationOf
Compiling class BCCD.Prod.Build.DTL.CareTeamEncounterParticipant
Compiling class BCCD.Prod.Build.DTL.CareTeamPerformer
Compiling class BCCD.Prod.Build.DTL.ClinicalDocument
Compiling class BCCD.Prod.Build.DTL.FunctionalStatusComponent
Compiling class BCCD.Prod.Build.DTL.HospDischargeInstComponent
Compiling class BCCD.Prod.Build.DTL.ImmunizationComponent
Compiling class BCCD.Prod.Build.DTL.ImmunizationEntry
Compiling class BCCD.Prod.Build.DTL.InstructionComponent
Compiling class BCCD.Prod.Build.DTL.InstructionEntry
Compiling class BCCD.Prod.Build.DTL.MedicationComponent
Compiling class BCCD.Prod.Build.DTL.MedicationEntry
Compiling class BCCD.Prod.Build.DTL.PlanOfCareComponent
Compiling class BCCD.Prod.Build.DTL.ProblemComponent
Compiling class BCCD.Prod.Build.DTL.ProblemEntry
Compiling class BCCD.Prod.Build.DTL.ProblemObservation
Compiling class BCCD.Prod.Build.DTL.ProcedureComponent
Compiling class BCCD.Prod.Build.DTL.ProcedureEntry
Compiling class BCCD.Prod.Build.DTL.ReasonForReferralComponent
Compiling class BCCD.Prod.Build.DTL.ReasonForVisitComponent
Compiling class BCCD.Prod.Build.DTL.ResultComponent
Compiling class BCCD.Prod.Build.DTL.ResultEntry
Compiling class BCCD.Prod.Build.DTL.ResultObservation
Compiling class BCCD.Prod.Build.DTL.SocialHistoryComponent
Compiling class BCCD.Prod.Build.DTL.SocialHistoryEntry
Compiling class BCCD.Prod.Build.DTL.VitalSignComponent
Compiling class BCCD.Prod.Build.DTL.VitalSignEntry
Compiling class BCCD.Prod.Build.DTL.VitalSignObservation
```

```
Compiling routine BCCD.Prod.Build.DTL.AllergyComponent.1
Compiling routine BCCD.Prod.Build.DTL.AllergyEntry.1
Compiling routine BCCD.Prod.Build.DTL.CareTeamComponent.1
Compiling routine BCCD.Prod.Build.DTL.CareTeamDocumentationOf.1
Compiling routine BCCD.Prod.Build.DTL.CareTeamEncounterParticipant.1
Compiling routine BCCD.Prod.Build.DTL.CareTeamPerformer.1
Compiling routine BCCD.Prod.Build.DTL.ClinicalDocument.1
Compiling routine BCCD.Prod.Build.DTL.FunctionalStatusComponent.1
Compiling routine BCCD.Prod.Build.DTL.HospDischargeInstComponent.1
Compiling routine BCCD.Prod.Build.DTL.ImmunizationComponent.1
Compiling routine BCCD.Prod.Build.DTL.ImmunizationEntry.1
Compiling routine BCCD.Prod.Build.DTL.InstructionComponent.1
Compiling routine BCCD.Prod.Build.DTL.InstructionEntry.1
Compiling routine BCCD.Prod.Build.DTL.MedicationComponent.1
Compiling routine BCCD.Prod.Build.DTL.MedicationEntry.1
Compiling routine BCCD.Prod.Build.DTL.PlanOfCareComponent.1
Compiling routine BCCD.Prod.Build.DTL.ProblemComponent.1
Compiling routine BCCD.Prod.Build.DTL.ProblemEntry.1
Compiling routine BCCD.Prod.Build.DTL.ProblemObservation.1
Compiling routine BCCD.Prod.Build.DTL.ProcedureComponent.1
Compiling routine BCCD.Prod.Build.DTL.ProcedureEntry.1
Compiling routine BCCD.Prod.Build.DTL.ReasonForReferralComponent.1
Compiling routine BCCD.Prod.Build.DTL.ReasonForVisitComponent.1
Compiling routine BCCD.Prod.Build.DTL.ResultComponent.1
Compiling routine BCCD.Prod.Build.DTL.ResultEntry.1
Compiling routine BCCD.Prod.Build.DTL.ResultObservation.1
Compiling routine BCCD.Prod.Build.DTL.SocialHistoryComponent.1
Compiling routine BCCD.Prod.Build.DTL.SocialHistoryEntry.1
Compiling routine BCCD.Prod.Build.DTL.VitalSignComponent.1
Compiling routine BCCD.Prod.Build.DTL.VitalSignEntry.1
Compiling routine BCCD.Prod.Build.DTL.VitalSignObservation.1
Class BCCD.Prod.Processes.Alert.Context is up-to-date.
Class BCCD.Prod.Processes.Alert.Thread1 is up-to-date.
Class BCCD.Prod.Processes.BuildDoc.Context is up-to-date.
Class BCCD.Prod.Processes.BuildDoc.Thread1 is up-to-date.
Compiling class
BCCD.Prod.PushWS.PatientRecordReceiverPort.PatientRecordReceiverOperation
Compiling class BCCD.Prod.Services.ClinicalDocumentService.RetrieveDocument
Compiling routine
BCCD.Prod.PushWS.PatientRecordReceiverPort.PatientRecordReceiverOperation.1
Compiling routine
BCCD.Prod.Services.ClinicalDocumentService.RetrieveDocument.1
Load finished successfully.

Updating 90310.03 record

Update BCCD parameters

Run Ensemble post-install tasks

Post-install routine is complete

Updating Routine file...

Updating KIDS files...

CCDA 1.0 Installed.
```

```
Feb 21, 2014@11:30:45
Not a VA primary domain
NO Install Message sent
Install Completed
```

Figure 5-5: Re-installing the CCDA Package

6.0 Installation Configuration

After successfully installing the CCDA 1.0 build, there are six post-installation steps:

- Encrypt the CCDA database (optional).
- Configure e-mail notifications (optional).
- Turn off journaling in the newly created CCDA database.
- Configure CCDA CSP application.
- Set up site-specific CCDA parameters.
- Start CCDA Messaging.

6.1 Encrypt CCDA Database

The CCDA KIDS installation creates a CCDA database but does not encrypt this new database. If your site uses encryption, then the newly created CCDA database must be encrypted. The steps in this section describe how to encrypt the new database.

6.1.1 Dismount the Database

1. Sign on to Ensemble's Management Portal.
2. Click on **System Operation** in the left column. Then click **Databases**.

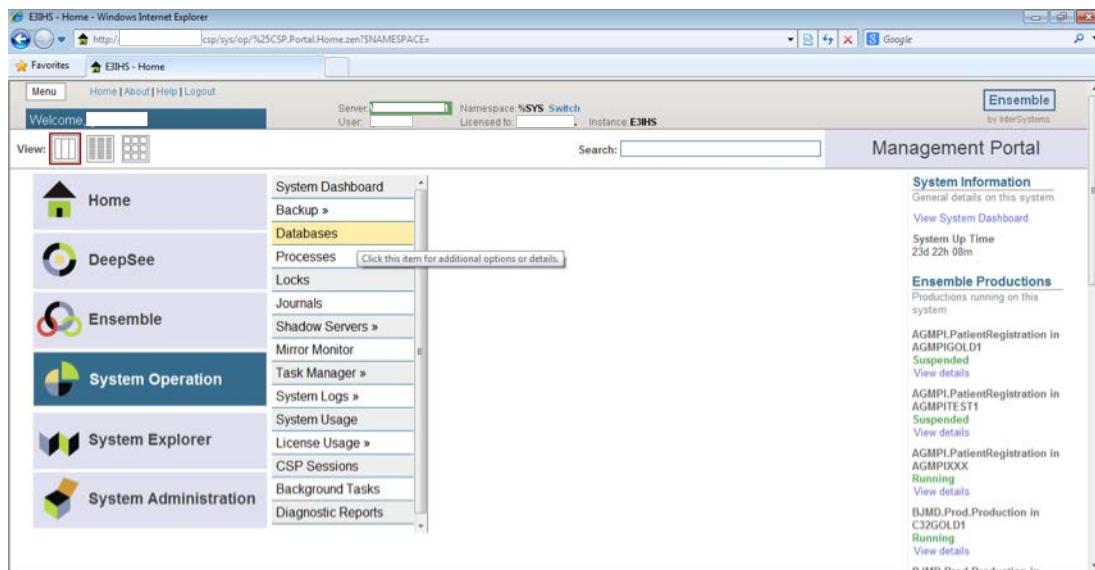


Figure 6-1: Ensemble's Management Portal, **Databases** option

3. On the Databases screen, locate the CCDA database and click **Dismount** for that database.

Name	Description	Mount	Dismount
BUSAT311	\e3hs-busat</	Unlimited	40 MountedfRW No Yes Dismount -
C320EV3	\ensemble\3hs-c32dev3\	Unlimited	144 MountedfRW No Yes Dismount -
C320OL01	\ensemble\3hs-c32gold1\	Unlimited	1175 MountedfRW No No Dismount -
C320OL02	\ensemble\3hs-c32gold2\	Unlimited	162 MountedfRW No No Dismount -
C320OL04	\ensemble\3hs-c32gold4\	Unlimited	144 MountedfRW No Yes Dismount -
C32RECERT	\precertf32precert\	Unlimited	144 MountedfRW No Yes Dismount -
C32TEST1	\ensemble\3hs-c32test1\	Unlimited	144 MountedfRW No Yes Dismount -
C32TEST4	\ensemble\3hs-c32test4\	Unlimited	144 MountedfRW No Yes Dismount -
CCDADEV2	\ensemble\2012\ccdadev2\	Unlimited	162 MountedfRW No Yes Dismount -
CCDA GOLD1	\ensemble\2012\ccdagold1\	Unlimited	102 MountedfRW No Yes Dismount -
CCDA GOLD4	\ensemble\2012\ccdagold4\	Unlimited	12679 MountedfRW No No Dismount -
CCDA PRECERT	\precertfcdaprecert\	Unlimited	3807 MountedfRW No No Dismount -
CCDA TEST4	\ensemble\2012\ccdatest4\	Unlimited	162 MountedfRW No Yes Dismount -
DEV2	\ensemble\3hs-dev2\	Unlimited	33694 MountedfRW No Yes Dismount -
DEV2U	\ensemble\3hs-dev2n\	Unlimited	1643 MountedfRW No No Dismount -
DEV3	\ensemble\3hs-dev3\	Unlimited	33694 MountedfRW No Yes Dismount -
DEV3U	\ensemble\3hs-dev3n\	Unlimited	1643 MountedfRW No No Dismount -
DEV4	\ensemble\3hs-dev4\	Unlimited	33694 MountedfRW No Yes Dismount -
DEV4U	\ensemble\3hs-dev4n\	Unlimited	1643 MountedfRW No No Dismount -
DEV7	\e3hs-dev7\	Unlimited	36504 MountedfRW No No Dismount -
DEV7U	\e3hs-dev7n\	Unlimited	799 MountedfRW No No Dismount -
DOCBOOK	\intersystems\3hs\mgr\docbook\	Unlimited	151 MountedfRW No No Dismount -
EDTTEST1	\ensemble\3hs-edttest1\	Unlimited	10 MountedfRW No Yes Dismount -
ENSDMO	\intersystems\3hs\mgr\lensdemo\	Unlimited	41 MountedfRW No No Dismount -
ENSEMBLE	\intersystems\3hs\mgr\lensensemble\	Unlimited	11 MountedfRW No Yes Dismount -
ENSLIB	\intersystems\3hs\mgr\lenslib\	Unlimited	257 MountedfRW No No Dismount -
ENSPMS	\ensemble\enrspms\	Unlimited	10 MountedfRW No Yes Dismount -
ERXOLD1	\ensemble\2012\erxgold1\	Unlimited	11 MountedfRW No Yes Dismount -
ERXPRECERT	\precertfexprecert\	Unlimited	113 MountedfRW No No Dismount -
ERXTEST1	\ensemble\2012\erxtest1\	Unlimited	11 MountedfRW No Yes Dismount -
GOLD1	\ensemble\3hs-gold1\	Unlimited	20173 MountedfRW No Yes Dismount -

Figure 6-2: **Databases**

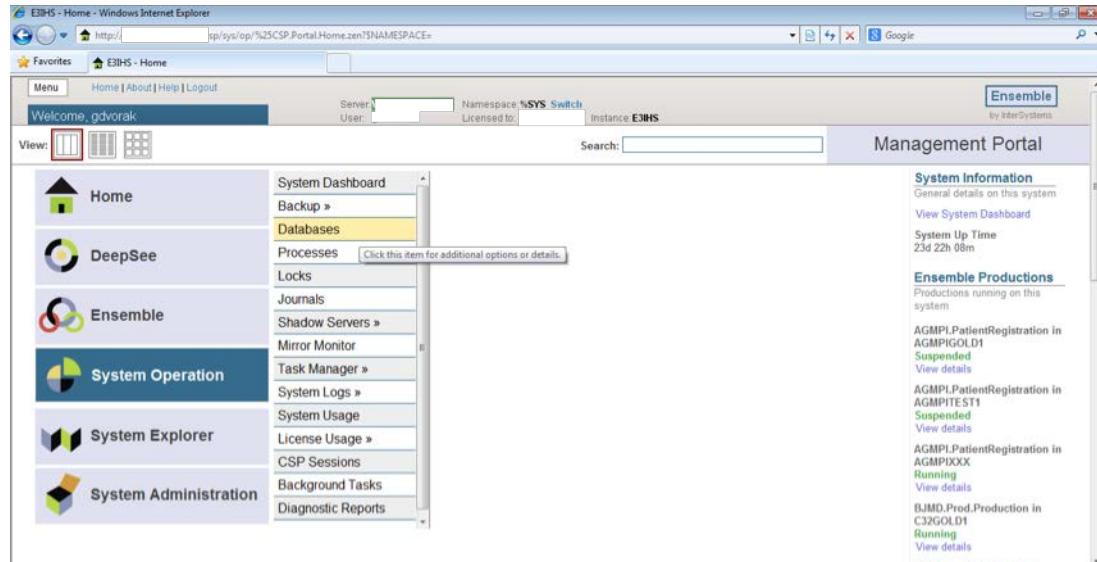
- At the “Are you sure you want to dismount database CCDAXXXX?” prompt, click **OK**.

6.1.2 Encrypt the Database

Encrypt the database following the instructions provided in the *How to Encrypt an RPMS Database* document. Contact OIT to obtain a copy of the document.

6.1.3 Re-mount the Database

- Sign on to Ensemble’s Management Portal.
- Click on **System Operation** in the left column. Then click **Databases**.

Figure 6-3: Ensemble's Management Portal, **Databases** option

3. On the Databases screen, locate the CCDA database and click **Mount** for that database.

	Name	Description	Capacity	Size	Mount Status	Read Only	Mount	Unmount
BUSTEST7	t\3hs-bmwtest7\		Unlimited	3384 MountedfRW	No	Yes	Unmount	-
BUSADEV7	t\3hs-busadev7\		Unlimited	40 MountedfRW	No	No	Unmount	-
BUSAGOLD4	t\2012busagold4\		Unlimited	50 MountedfRW	No	Yes	Unmount	-
BUSAPRECERT	J:\PreCertbusaprecert\		Unlimited	40 Unmounted	No	No	-	Mount
BUSATEST7	t\3hs-busatest7\		Unlimited	40 MountedfRW	No	No	Unmount	-
C32DEV3	\j\ensemble\3hs-c32dev3\		Unlimited	144 MountedfRW	No	Yes	Unmount	-
C32OLD1	\j\ensemble\3hs-c32gold1\		Unlimited	1175 MountedfRW	No	No	Unmount	-
C32OLD2	\j\ensemble\3hs-c32gold2\		Unlimited	162 MountedfRW	No	No	Unmount	-
C32OLD4	\j\ensemble\3hs-c32gold4\		Unlimited	144 MountedfRW	No	Yes	Unmount	-
C32PRECERT	\j\precert\c32precert\		Unlimited	144 MountedfRW	No	Yes	Unmount	-
C32TEST1	\j\ensemble\3hs-c32test1\		Unlimited	144 MountedfRW	No	Yes	Unmount	-
C32TEST4	\j\ensemble\3hs-c32test4\		Unlimited	144 MountedfRW	No	Yes	Unmount	-
CCDADEV2	K:\ensemble\2012\ccda\dev2\		Unlimited	162 MountedfRW	No	Yes	Unmount	-
CCDAGOLD1	K:\ensemble\2012\ccdagold1\		Unlimited	102 MountedfRW	No	Yes	Unmount	-
CCDABOLD4	K:\ensemble\2012\ccdagold4\		Unlimited	12679 Dismounted	No	No	-	Mount
CCDAPRECERT	\j\precert\ccda\precert\		Unlimited	3807 MountedfRW	No	No	Unmount	-
CCDATEST4	K:\ensemble\2012\ccdatest4\		Unlimited	162 MountedfRW	No	Yes	Unmount	-
DEV2	\j\ensemble\3hs-dev2\		Unlimited	33694 MountedfRW	No	Yes	Unmount	-
DEV2U	\j\ensemble\3hs-dev2\		Unlimited	1643 MountedfRW	No	No	Unmount	-
DEV3	\j\ensemble\3hs-dev3\		Unlimited	33694 MountedfRW	No	Yes	Unmount	-
DEV3U	\j\ensemble\3hs-dev3\		Unlimited	1643 MountedfRW	No	No	Unmount	-
DEV4	\j\ensemble\3hs-dev4\		Unlimited	33694 MountedfRW	No	Yes	Unmount	-
DEV4U	\j\ensemble\3hs-dev4\		Unlimited	1643 MountedfRW	No	No	Unmount	-
DEV7	\t\3hs-dev7\		Unlimited	36584 MountedfRW	No	No	Unmount	-
DEV7U	\t\3hs-dev7\		Unlimited	799 MountedfRW	No	No	Unmount	-
DOCBOOK	h:\intersystems\3hs\mgr\docbook\		Unlimited	151 MountedfRW	No	No	Unmount	-
EGRTEST1	\j\ensemble\3hs-edatest1\		Unlimited	10 MountedfRW	No	Yes	Unmount	-
ENSEMO	h:\intersystems\3hs\mgr\ensememo\		Unlimited	41 MountedfRW	No	No	Unmount	-
ENSEMBLE	h:\intersystems\3hs\mgr\ensemble\		Unlimited	11 MountedfRW	No	Yes	Unmount	-
ENSLIB	h:\intersystems\3hs\mgr\enslib\		Unlimited	257 MountedfRW	No	No	Unmount	-
ENSPRM5	\j\ensemble\ensprm5\		Unlimited	10 MountedfRW	No	Yes	Unmount	-

Figure 6-4: Databases

4. On the **Mount Databases** dialog, verify that the **Read Only** check box is unchecked, then click **OK**.

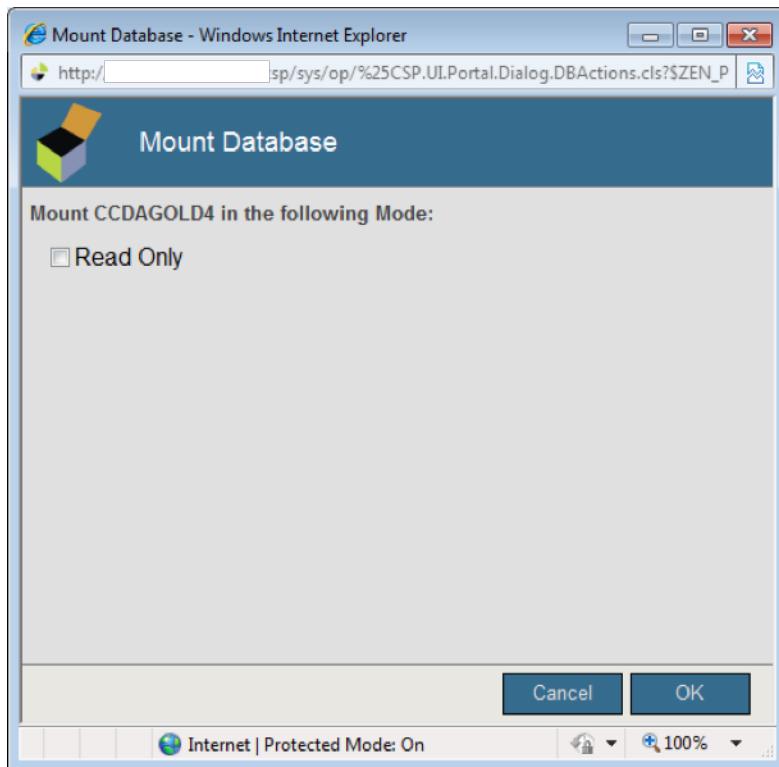


Figure 6-5: **Mount Databases**

6.2 Configuring Email Notifications

This step allows the configuration of the CCDA Ensemble production to automatically send e-mail notifications about new errors to selected users. A notification is typically sent as soon as a new error occurs, but the number of e-mails is limited to one per 15 minutes in order to prevent flooding recipients' mailboxes with multiple errors. This functionality is only available on systems that have an e-mail server configured. This step is optional and may be skipped if you do not want to be notified about CCDA errors by e-mail. For requests coming from the EHR GUI, you will be able to view errors in the CCDA Audit Log, which is described in the CCDA Security Manual, even if you do not set up e-mail notifications.

First, check if the e-mail server requires you to sign on. If it does, you will need to set up credentials first. To do that, sign on to Ensemble's Management Portal as an administrator and use the following instructions:

1. Switch to the CCDA namespace. Instructions for switching namespaces can be found in Section 4.6.2. The namespace will consist of "CCDA" concatenated with the name of your RPMS namespace.
2. On the Management Portal screen, click **Ensemble | Configure >> | Credentials**.

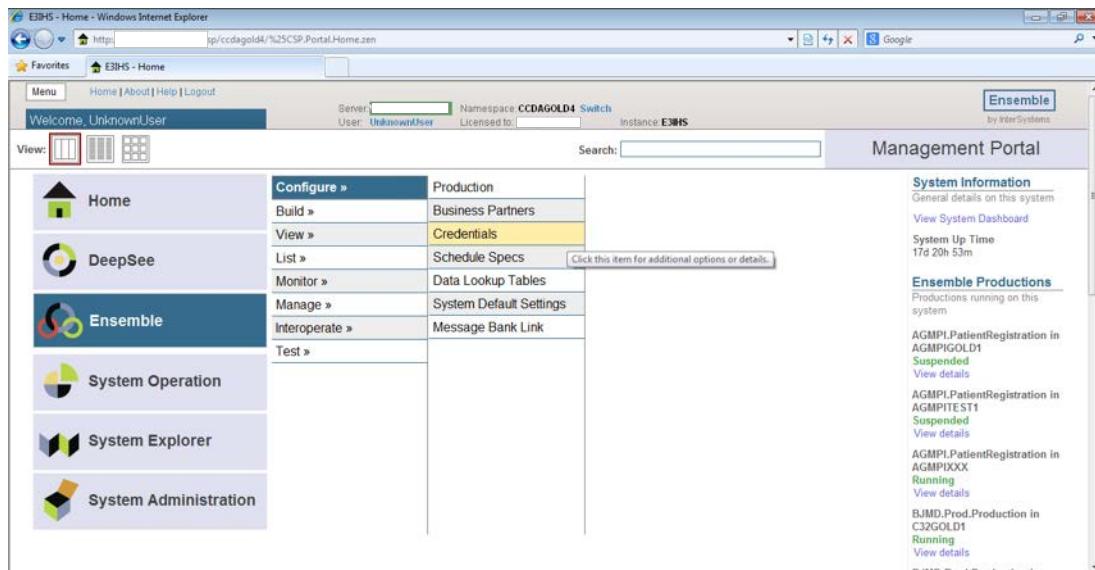


Figure 6-6: Management Portal, Credentials option

The Credentials Viewer screen will display.

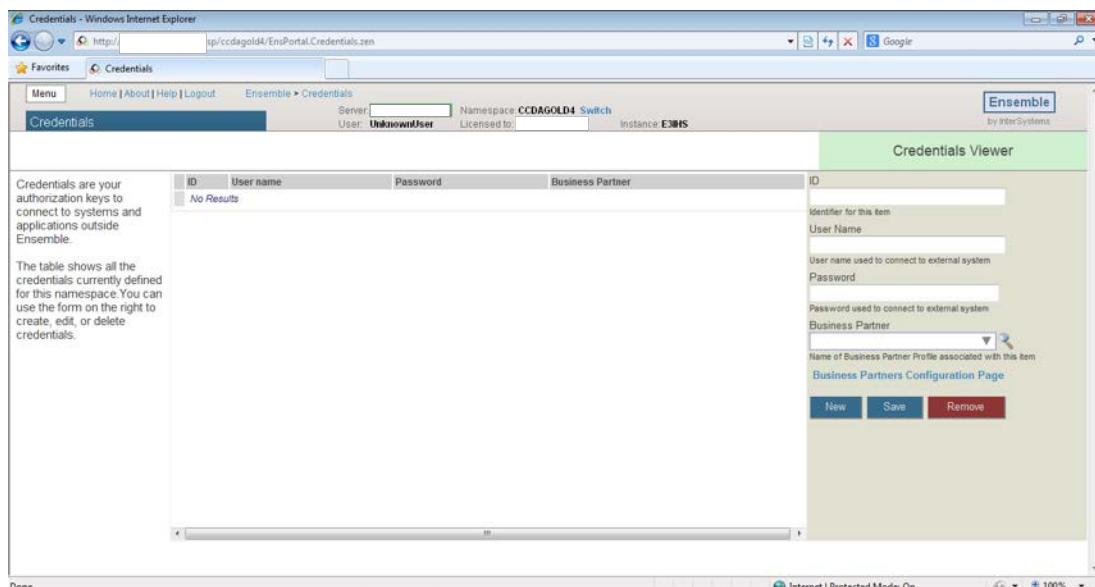


Figure 6-7: Credentials

3. In the **ID** field enter an arbitrary ID that will identify your e-mail server, e.g., “mail-server.” You will later use this ID in the **Credentials** field of the e-mail notification screen.
4. In the **Username** field, your Ensemble user name will be defaulted. Change it to a valid user name on the e-mail server that will allow you to sign on to the server and send e-mails.

5. In the **Password** field, enter the password for the user name that was entered in the previous step.
6. Leave the **Business Partner** field blank.
7. Click **Save**. The newly entered credentials in the list in the center of the screen will display.

Once you have configured credentials or confirmed that your e-mail server does not require sign-on credentials, sign on to Ensemble's Management Portal as the administrator.

8. Switch to the CCDA namespace. Instructions for switching namespaces can be found in Section 4.6.2. The namespace will consist of "CCDA" concatenated with the name of your RPMS namespace.
9. On the Management Portal page, click **Ensemble | Configure >> | Production**.

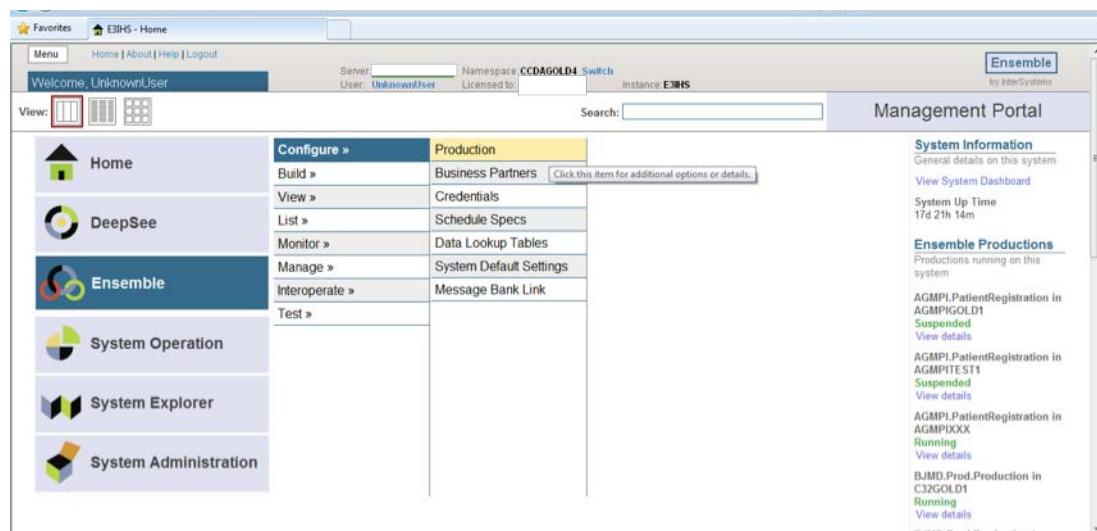


Figure 6-8: Management Portal, Production option

10. On the Production Configuration screen, click **Open**.

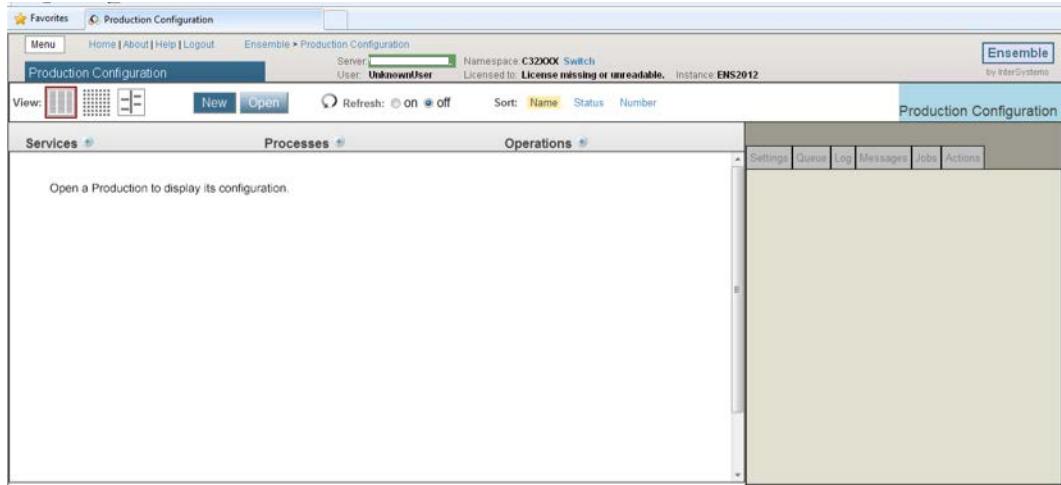


Figure 6-9: **Production Configuration**, no production open

11. In the **Finder** dialog, click **BCCD | Prod | Production** to select the CCDA production.

The Production Configuration screen will update to display the items for the CCDA production.

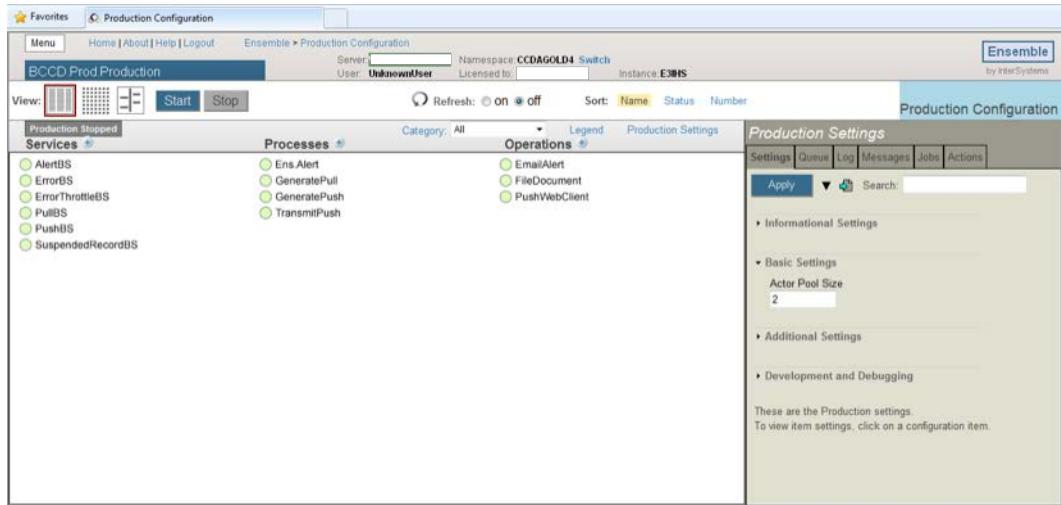


Figure 6-10: **Production Configuration**, CCDA production open

12. Click **EmailAlert** in the **Operations** column. The details of this process will display in the **Production Settings** box on the right side of the page.
13. In the **EmailAlert** box on the right side, expand the **Basic Settings** and **Additional Settings** sections and enter the values in Table 6-1.

Table 6-1: EmailAlert settings

Field Name	Value
SMTP Server	IP address or name of the email server at your site
SMTP Port	Port number used by your email server; the default is 25
Credentials	Only required if the email server requires authentication (see instructions above)
Recipient	A comma-delimited list of email addresses that Ensemble will send alerts to, for example, John.Doe@ihs.gov or Jane.Doe@ihs.gov
From	The email address that the alerts will appear as coming from, such as CCDA@ihs.gov

If you have a functional email server, but do not have some of this information, contact the Help Desk. Do not modify any other values on this screen since it can invalidate the Ensemble production. Once all required data has been entered, click **Apply** at the top of the **EmailAlert** box.

Figure 6-11 shows an example of what the page will look like during the configuration process.

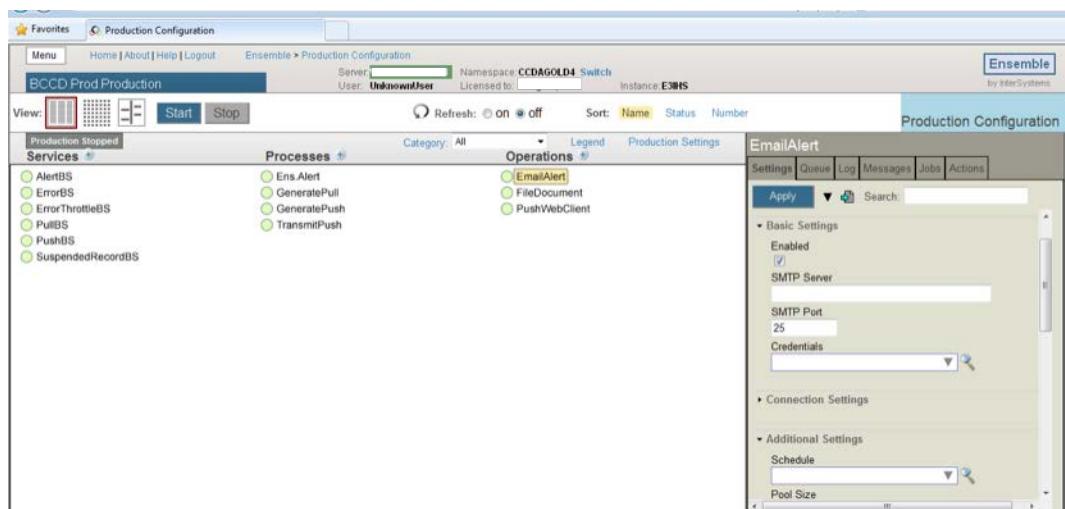


Figure 6-11 : Ensemble e-mail server configuration

6.3 Turning Off Journaling in the CCDA Database

The newly created CCDA database will have journaling turned on by default. It is important to disable it before starting CCDA. If it is not disabled, CCDA processing will generate a high volume of journaling activity, which may fill up your journaling area.

To turn off journaling for CCDA, follow these instructions:

1. Access Ensemble's Management Portal, and sign on as an administrator.
2. Select **System Administration** at the bottom of the left column, then select **Configuration >> | System Configuration >> | Local Databases**.

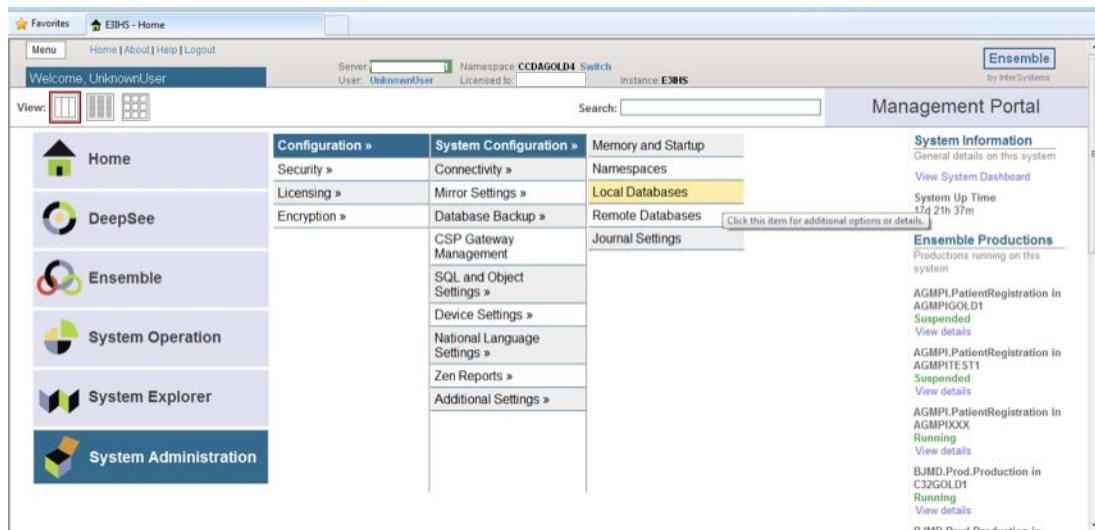


Figure 6-12: **Management Portal, Local Databases** option

3. On the Local Databases page, find the row with the name of the newly created CCDA database. The name of the database will consist of **CCDA** concatenated with the name of your RPMS database. For example, if your RPMS database is called TEST5, then the associated CCDA database will be called CCDATEST5.

Note: The **Journal** column in this row will say **Yes**.

Name	Mirror	Directory	Size (MB)	Status	Resource	Encrypted	Journal	Global
C32TEST4		j:\ensemble\ehs-c32test4\	144	Mounted/RW	%DB_%DEFAULT	No	Yes	Edit Delete Global
CCDA GOLD1		k:\ensemble\ehs2012\ccdagold1\	102	Mounted/RW	%DB_%DEFAULT	No	Yes	Edit Delete Global
CCDA GOLD4		k:\ensemble\ehs2012\ccdagold4\	12679	Mounted/RW	%DB_%DEFAULT	No	Yes	Edit Delete Global
CCDATEST4		k:\ensemble\ehs2012\ccdatest4\	182	Mounted/RW	%DB_%DEFAULT	No	Yes	Edit Delete Global
DEV2		j:\ensemble\ehs-dev2\	31694	Mounted/RW	%DB_%DEFAULT	No	Yes	Edit Delete Global
DEV2NU		j:\ensemble\ehs-dev2n\	1643	Mounted/RW	%DB_%DEFAULT	No	No	Edit Delete Global
DEV3		j:\ensemble\ehs-dev3\	31694	Mounted/RW	%DB_%DEFAULT	No	Yes	Edit Delete Global
DEV3NU		j:\ensemble\ehs-dev3n\	1643	Mounted/RW	%DB_%DEFAULT	No	No	Edit Delete Global
DOCBOOK		h:\InterSystems\ehs3\html\docbook\	151	Mounted/RW	%DB_DOCBOOK	No	No	Edit Delete Global
EDRTEST1		j:\ensemble\ehs-edrtest1\	10	Mounted/RW	%DB_%DEFAULT	No	Yes	Edit Delete Global
ENSEDEMO		h:\InterSystems\ehs3\html\ensemdedemo\	41	Mounted/RW	%DB_ENSEDEMO	No	No	Edit Delete Global
ENSEMBLE		h:\InterSystems\ehs3\html\ensemble\	11	Mounted/RW	%DB_ENSEMBLE	No	Yes	Edit Delete Global
ENSLIB		h:\InterSystems\ehs3\html\enslib\	257	Mounted/RW	%DB_ENSLIB	No	No	Edit Delete Global
ENSRPMS		j:\ensemble\ehsrpms\	10	Mounted/RW	%DB_%DEFAULT	No	Yes	Edit Delete Global
ERXGOLD1		k:\ensemble\ehs2012\erxgold1\	11	Mounted/RW	%DB_%DEFAULT	No	Yes	Edit Delete Global

Figure 6-13: Local Databases

- Click on the word **Edit** in the identified row. This will bring up the Database Properties page. Find the line which says **Global Journal State** and change the value from **Yes** to **No**. Ignore the warning that will appear on the page.

Edit Database Properties: CCDAGOLD4

Name:	CCDAGOLD4
Directory:	j:\ensemble\ehs2012\ccdagold4\
Encrypted:	No
Block Size (Bytes):	8192
Size (MB):	12679
Maximum Size (MB):	0 (0 for Unlimited)
Expansion Size (MB):	0 (0 for Default)
Resource Name:	%DB_%DEFAULT
Global Journal State:	Yes
New Global Collation:	No - standard
New Global Growth Block:	50
New Global Pointer Block:	16
Stream Location:	<input type="button" value="Browse..."/>
Preserve global attributes on delete:	No
Read Only?:	No
Mount Required at Startup?	No
<input type="button" value="Save"/> <input type="button" value="Close"/>	

Figure 6-14: Database Properties

- After making the change, click **Save** at the bottom of the screen.
- If your Ensemble instance hosts multiple RPMS namespaces, make sure to repeat steps 1–5 for all new CCDA databases.

7. As mentioned earlier, make sure to add the newly created CCDA database(s) to the list of backed up databases.

6.4 Configuring the Resource for the CCDA Database

Each Ensemble database has a resource assigned to it. To access the database, a user must have the same or higher resource assigned to them. The CCDA database is assigned the %DB_%DEFAULT resource during the installation. To make it easier to manage user resources, it is recommended that the resource of the CCDA database match the resource of the RPMS database. This section contains steps for determining the resource of the RPMS database and changing the resource of the CCDA database, if needed.

1. Navigate to the Local Databases page in Ensemble's Management Portal. Navigate there by clicking on the Local Databases link at the top of the Database Properties page at the end of section 6.3, or by following steps 1–2 in section 6.3.

Name	Mirror	Directory	Size (MB)	Status	Resource	Encrypted	Journal		
C32TEST4		j:\ensemble\c32a-c32test4\	144	Mounted/RW	%DB_%DEFAULT	No	Yes	Edit	Delete
CCDAQOLD1		k:\ensemble\b2012\ccdaqold1\	102	Mounted/RW	%DB_%DEFAULT	No	Yes	Edit	Delete
CCDAGOLD4		k:\ensemble\b2012\ccdagold4\	12679	Mounted/RW	%DB_%DEFAULT	No	Yes	Edit	Delete
CCDATEST4		j:\ensemble\b2012\ccdatest4\	182	Mounted/RW	%DB_%DEFAULT	No	Yes	Edit	Delete
DEV2		j:\ensemble\b20a-dev2\	31694	Mounted/RW	%DB_%DEFAULT	No	Yes	Edit	Delete
DEV2NU		j:\ensemble\b20a-dev2n\	1643	Mounted/RW	%DB_%DEFAULT	No	No	Edit	Delete
DEV3		j:\ensemble\b20a-dev3\	31694	Mounted/RW	%DB_%DEFAULT	No	Yes	Edit	Delete
DEV3NU		j:\ensemble\b20a-dev3n\	1643	Mounted/RW	%DB_%DEFAULT	No	No	Edit	Delete
DOCBOOK		n:\intersystems\b20\docbook\	151	Mounted/RW	%DB_DOCBOOK	No	No	Edit	Delete
EDRTTEST1		j:\ensemble\b20a-edrttest1\	10	Mounted/RW	%DB_%DEFAULT	No	Yes	Edit	Delete
ENSEMO		n:\intersystems\b20\ensemo\	41	Mounted/RW	%DB_ENSEMO	No	No	Edit	Delete
ENSEMBLE		n:\intersystems\b20\ensembles\	11	Mounted/RW	%DB_ENSEMBLE	No	Yes	Edit	Delete
ENSLIB		n:\intersystems\b20\enslib\	257	Mounted/RW	%DB_ENSLIB	No	No	Edit	Delete
ENSRPMS		j:\ensemble\b20a-ensrpms\	10	Mounted/RW	%DB_%DEFAULT	No	Yes	Edit	Delete
ERXGOLD1		k:\ensemble\b2012\erxpold1\	11	Mounted/RW	%DB_%DEFAULT	No	Yes	Edit	Delete

Figure 6-15: Local Databases

2. Find the row with the name of the RPMS database, and click **Edit** in that row to display the Database Properties page.

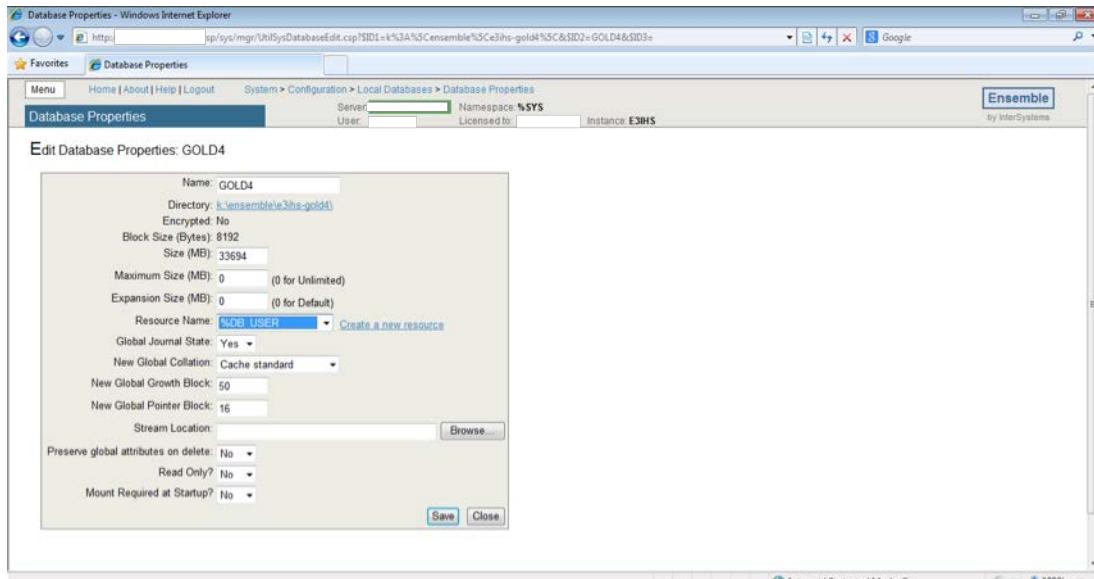


Figure 6-16: Database Properties

3. Find the value of the **Resource Name** field. If the value is “%DB_%DEFAULT” you will not need to change the resource for the CCDA database; skip to section 6.5. If the **Resource Name** is another value, make a note of the value. This value will need to be selected later.
4. Return to the Local Databases page by clicking the **Local Databases** link at the top center of the page.
5. On the Local Databases page, find the row with the name of the CCDA database. Click **Edit** in the identified row.
6. On the Database Properties page for the CCDA database, change the value of **Resource Name** to the value noted in step 3.
7. Click **Save** at the bottom of the screen.

6.5 Configuring the CCDA CSP Application

Next security settings need to be configured for the CCDA CSP application, which was automatically created by the installation process. If this step was not completed, the EHR GUI application will not be able to display CCDA documents.

The steps are as follows:

1. Sign on to Ensemble’s Management Portal as an administrator.
2. Select **System Administration** in the left column, then select **Security >> | System Security >> | Authentication/CSP Session Options**.

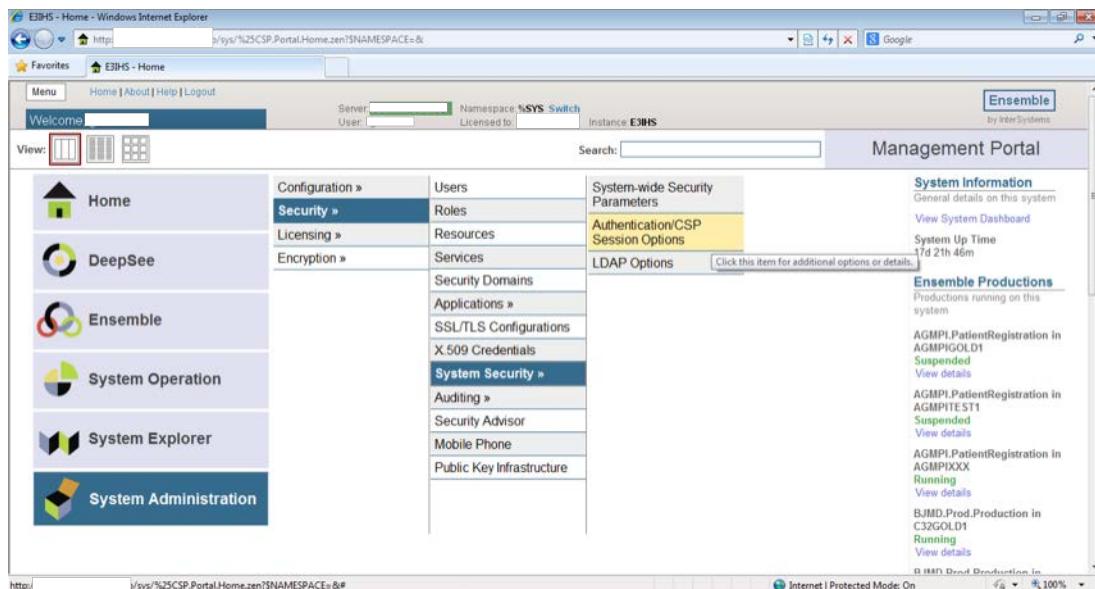


Figure 6-17: Management Portal, Authentication/CSP Session Options option

A page similar to Figure 6-18 will display:

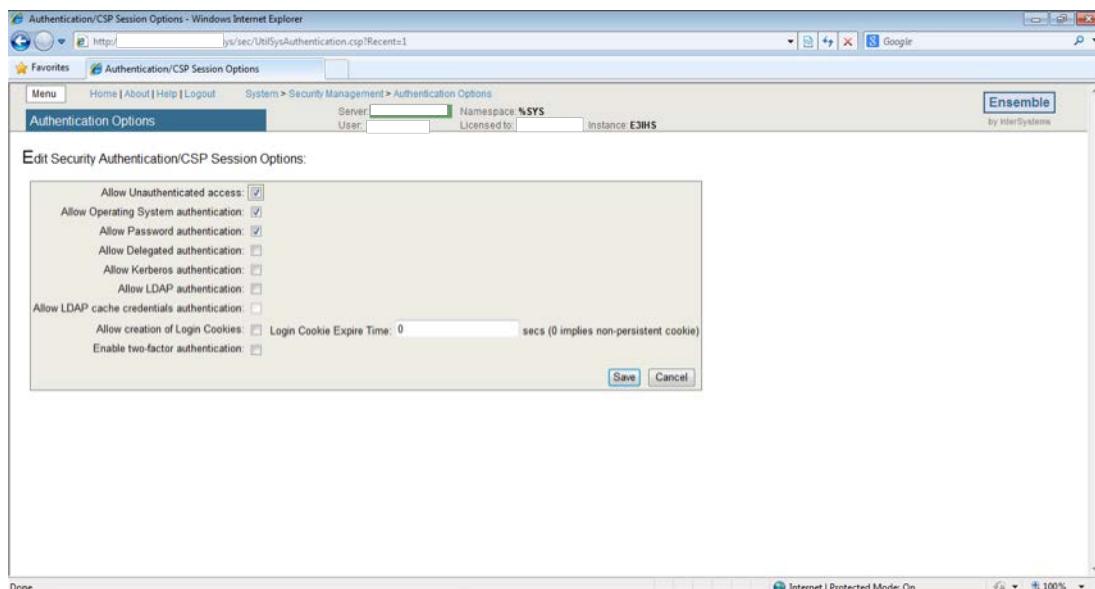


Figure 6-18: Authentication Options

3. On the Authentication Options page, make sure that the **Allow Unauthenticated access** check box is selected. If the check box is not checked, select the box and click **Save**. The change will take effect immediately.
4. Return to the main Management Portal page. Select **System Administration** in the left column, then select **Security >> | Applications >> | Web Applications**.

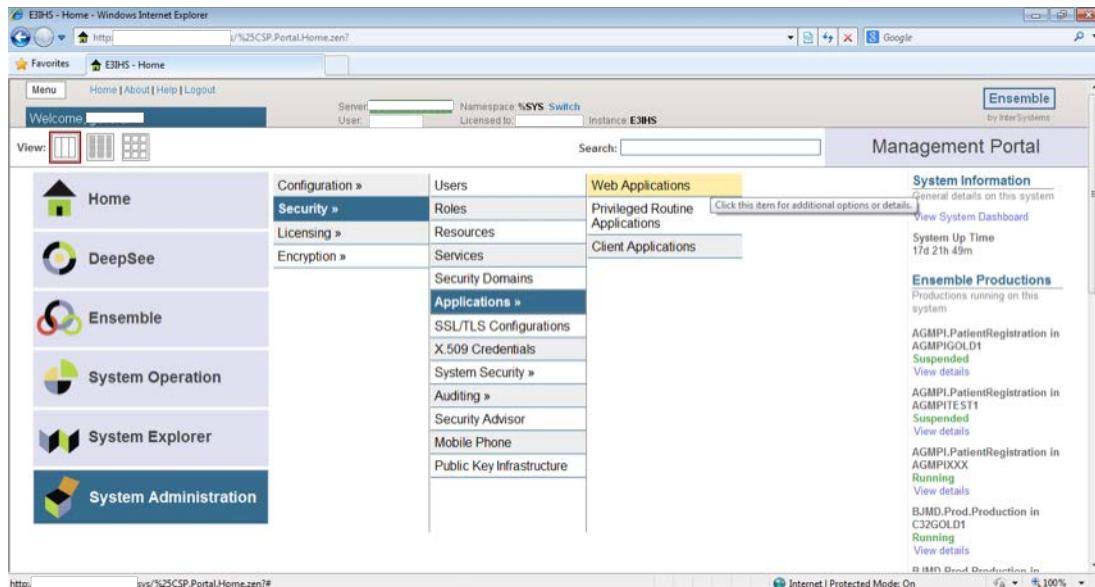


Figure 6-19: **Management Portal, Web Applications** option

A page similar to Figure 6-20 will display.

Web Applications - Windows Internet Explorer																																																																																																													
http://[redacted]/sys/sec/UtilSysApplications.csp?SID1='&SID2=1&Recent=1'																																																																																																													
Favorites Web Applications																																																																																																													
Menu Home About Help Logout System > Security Management > Web Applications Server: [redacted] Namespace %SYS User: [redacted] Licensed to: [redacted] Instance EHS Ensemble by InterSystems																																																																																																													
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Filter: Page size: 20 Items found: 49 Page: 1 2 3 4 5 6 7 8 9 10 11 12 13																																																																																																													
<table border="1"> <thead> <tr> <th>Name</th> <th>Enabled</th> <th>Type</th> <th>Resource</th> <th>Authentication Methods</th> </tr> </thead> <tbody> <tr><td>/csp/agmpigold1</td><td>Yes</td><td>CSP</td><td>%Ens_Portal</td><td>Unauthenticated</td></tr> <tr><td>/csp/agmpigold2</td><td>Yes</td><td>CSP</td><td>%Ens_Portal</td><td>Unauthenticated</td></tr> <tr><td>/csp/agmptest1</td><td>Yes</td><td>CSP</td><td>%Ens_Portal</td><td>Unauthenticated</td></tr> <tr><td>/csp/agmptest2</td><td>Yes</td><td>CSP</td><td>%Ens_Portal</td><td>Unauthenticated</td></tr> <tr><td>/csp/bmw/dev2</td><td>Yes</td><td>CSP</td><td>%Ens_Portal</td><td>Unauthenticated</td></tr> <tr><td>/csp/bmw/dev3</td><td>Yes</td><td>CSP</td><td>%Ens_Portal</td><td>Unauthenticated</td></tr> <tr><td>/csp/bmw/gold1</td><td>Yes</td><td>CSP</td><td>%Ens_Portal</td><td>Unauthenticated</td></tr> <tr><td>/csp/bmw/gold2</td><td>Yes</td><td>CSP</td><td>%Ens_Portal</td><td>Unauthenticated</td></tr> <tr><td>/csp/bmw/gold4</td><td>Yes</td><td>CSP</td><td>%Ens_Portal</td><td>Unauthenticated</td></tr> <tr><td>/csp/bmw/test1</td><td>Yes</td><td>CSP</td><td>%Ens_Portal</td><td>Unauthenticated</td></tr> <tr><td>/csp/bmw/test4</td><td>Yes</td><td>CSP</td><td>%Ens_Portal</td><td>Unauthenticated</td></tr> <tr><td>/csp/bus</td><td>Yes</td><td>CSP</td><td></td><td>Unauthenticated</td></tr> <tr><td>/csp/c32gold1</td><td>Yes</td><td>CSP</td><td>%Ens_Portal</td><td>Unauthenticated</td></tr> <tr><td>/csp/c32gold2</td><td>Yes</td><td>CSP</td><td>%Ens_Portal</td><td>Unauthenticated</td></tr> <tr><td>/csp/c32test1</td><td>Yes</td><td>CSP</td><td>%Ens_Portal</td><td>Kerberos.Password</td></tr> <tr><td>/csp/c32test2</td><td>Yes</td><td>CSP</td><td>%Ens_Portal</td><td>Kerberos.Password</td></tr> <tr><td>/csp/codagold1</td><td>Yes</td><td>CSP</td><td>%Ens_Portal</td><td>Kerberos.Password</td></tr> <tr><td>/csp/codagold4</td><td>Yes</td><td>CSP</td><td>BCCD_WebApplication</td><td>Unauthenticated</td></tr> <tr><td>/csp/codatest4</td><td>Yes</td><td>CSP</td><td>%Ens_Portal</td><td>Kerberos.Password</td></tr> <tr><td>/csp/dev2</td><td>Yes</td><td>CSP</td><td>%Ens_Portal</td><td>Unauthenticated</td></tr> </tbody> </table>					Name	Enabled	Type	Resource	Authentication Methods	/csp/agmpigold1	Yes	CSP	%Ens_Portal	Unauthenticated	/csp/agmpigold2	Yes	CSP	%Ens_Portal	Unauthenticated	/csp/agmptest1	Yes	CSP	%Ens_Portal	Unauthenticated	/csp/agmptest2	Yes	CSP	%Ens_Portal	Unauthenticated	/csp/bmw/dev2	Yes	CSP	%Ens_Portal	Unauthenticated	/csp/bmw/dev3	Yes	CSP	%Ens_Portal	Unauthenticated	/csp/bmw/gold1	Yes	CSP	%Ens_Portal	Unauthenticated	/csp/bmw/gold2	Yes	CSP	%Ens_Portal	Unauthenticated	/csp/bmw/gold4	Yes	CSP	%Ens_Portal	Unauthenticated	/csp/bmw/test1	Yes	CSP	%Ens_Portal	Unauthenticated	/csp/bmw/test4	Yes	CSP	%Ens_Portal	Unauthenticated	/csp/bus	Yes	CSP		Unauthenticated	/csp/c32gold1	Yes	CSP	%Ens_Portal	Unauthenticated	/csp/c32gold2	Yes	CSP	%Ens_Portal	Unauthenticated	/csp/c32test1	Yes	CSP	%Ens_Portal	Kerberos.Password	/csp/c32test2	Yes	CSP	%Ens_Portal	Kerberos.Password	/csp/codagold1	Yes	CSP	%Ens_Portal	Kerberos.Password	/csp/codagold4	Yes	CSP	BCCD_WebApplication	Unauthenticated	/csp/codatest4	Yes	CSP	%Ens_Portal	Kerberos.Password	/csp/dev2	Yes	CSP	%Ens_Portal	Unauthenticated
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/csp/c32test1	Yes	CSP	%Ens_Portal	Kerberos.Password																																																																																																									
/csp/c32test2	Yes	CSP	%Ens_Portal	Kerberos.Password																																																																																																									
/csp/codagold1	Yes	CSP	%Ens_Portal	Kerberos.Password																																																																																																									
/csp/codagold4	Yes	CSP	BCCD_WebApplication	Unauthenticated																																																																																																									
/csp/codatest4	Yes	CSP	%Ens_Portal	Kerberos.Password																																																																																																									
/csp/dev2	Yes	CSP	%Ens_Portal	Unauthenticated																																																																																																									
Done																																																																																																													

Figure 6-20: **Web Applications**

- Identify the newly created CCDA CSP application in the **Name** column. The name will start with “/csp/” and will be followed by “ccda” and then the name of your production namespace. For example, if the production namespace is “PRD,” the new CCDA application will be called “/csp/ccdaprd.”

6. Check that the **Authentication Methods** column for this CSP application contains the word “Unauthenticated” and no other words. If the column contains anything else, click the **Edit** link in the same row and the page shown in Figure 6-21 displays.

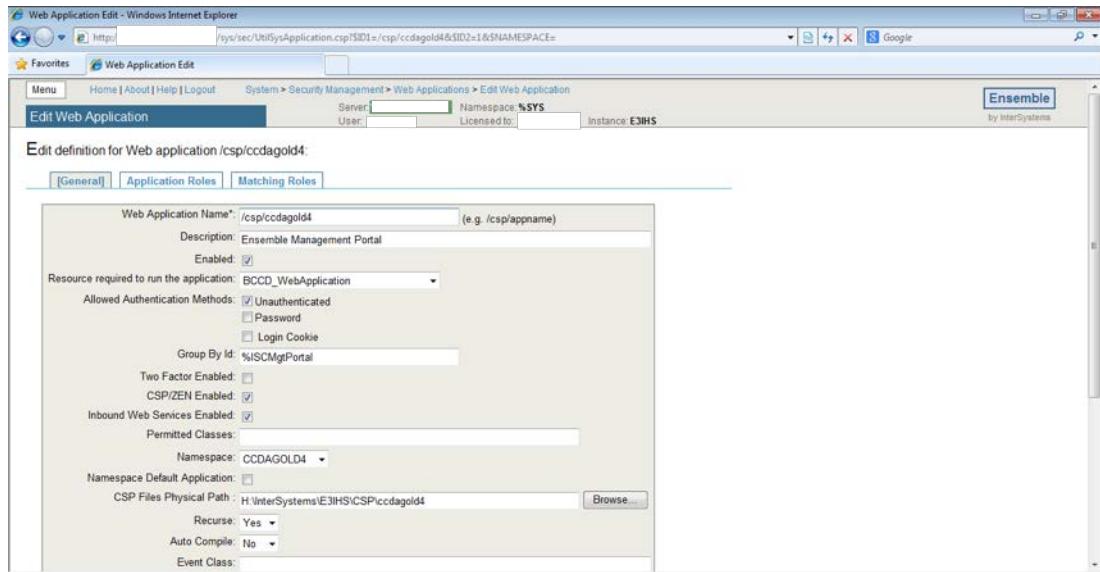


Figure 6-21: **Edit Web Application**

7. Find the words “Allowed Authentication Methods” on the left side. Check the **Unauthenticated** box next to them. Uncheck the **Password** box immediately below the **Unauthenticated** box. If there is a **Kerberos** box displayed, uncheck that box. Scroll down to the bottom of the screen and click **Save**. The changes will take effect immediately.
8. Return to the main Management Portal page. Select **System Administration** in the left column, then select **Security >> | Users**.

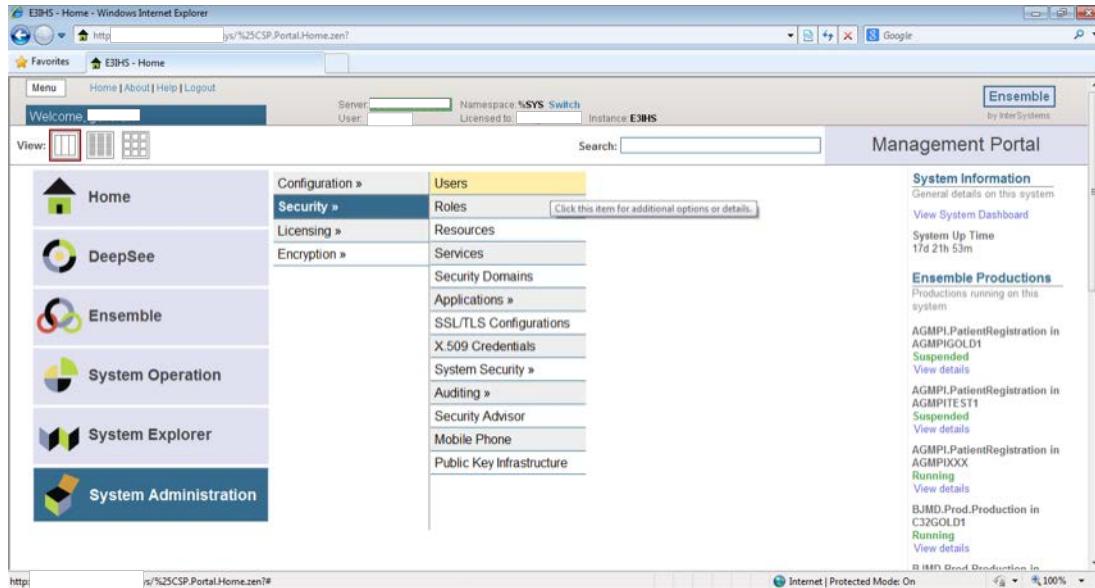


Figure 6-22: Management Portal, Users option

A page similar to Figure 6-23 will be displayed.

User	Full Name	Enabled	Namespace	Routine	Type	Action
_Ensemble	Ensemble Manager	Yes			Cache password user	Edit Delete Profile
_PUBLIC	(Internal use - not for login)	No			Cache password user	Edit Delete Profile
_SYSTEM	SQL System Manager	Yes			Cache password user	Edit Delete Profile
ad		Yes	GOLD4		Cache password user	Edit Delete Profile
AC	Audrey Chan	Yes	GOLD4		Cache password user	Edit Delete Profile
Admin	System Administrator	Yes			Cache password user	Edit Delete Profile
af		Yes			Cache password user	Edit Delete Profile
bd		Yes	GOLD4		Cache password user	Edit Delete Profile
bt		Yes	GOLD4		Cache password user	Edit Delete Profile
CSPSystem	CSP Gateway user	Yes			Cache password user	Edit Delete Profile
db		Yes	GOLD4		Cache password user	Edit Delete Profile
gf		Yes	CCDA_GOLD4		Cache password user	Edit Delete Profile
hi		Yes			Cache password user	Edit Delete Profile
mr		Yes	GOLD4		Cache password user	Edit Delete Profile
mv		Yes	DEV2		Cache password user	Edit Delete Profile
ra		Yes	DEV2		Cache password user	Edit Delete Profile
rhi		Yes	GOLD4		Cache password user	Edit Delete Profile
sh		Yes	GOLD1		Cache password user	Edit Delete Profile
SuperUser	System Super user	Yes			Cache password user	Edit Delete Profile
UnknownUser	Unauthenticated user	Yes			Cache password user	Edit Delete Profile

Figure 6-23: Users

9. Find the user called UnknownUser on this page.

Note: If you have many Ensemble users defined on the system, the list will take up more than one page. In that case, type **Unknown** in the **Filter** field at the top of the page and the list will display all users whose names include the word **Unknown**.

10. Once you find **UnknownUser**, click the **Edit** link in that row. The page shown in Figure 6-24 will display.

The screenshot shows the 'Edit User' interface in Internet Explorer. The 'General' tab is selected. The 'Name' field contains 'UnknownUser'. The 'Full Name' field contains 'Unauthenticated user'. The 'User Enabled' checkbox is checked. The 'Save' button is visible at the bottom.

Figure 6-24: Edit User, General tab

11. Make sure that the **User Enabled** box is selected. If the box is not checked, select it and click **Save** at the bottom of the screen.
12. Next, click **Roles** immediately under **Edit definition for user UnknownUser**. The page shown in Figure 6-25 will display.

The screenshot shows the 'Edit User' interface in Internet Explorer, specifically the 'Roles' tab. The 'Available' list contains roles like %All, %DB, %DEFAULT, etc. The 'Selected' list is currently empty. An 'Assign' button is present between the two lists.

Figure 6-25: Edit User, Roles tab

13. If the list of roles that appears at the top of the page immediately under **UnknownUser is Assigned to the Following Roles** includes **%All**, you do not need to take further action.

If not, select **%All** in the list of **Available roles** on the left side of the page and click the top arrow located between the **Available** and **Selected** columns. Once **%All** appears in the **Selected** column, click the **Assign** button and **%All** will display under **UnknownUser is Assigned to the Following Roles** (Figure 6-26).

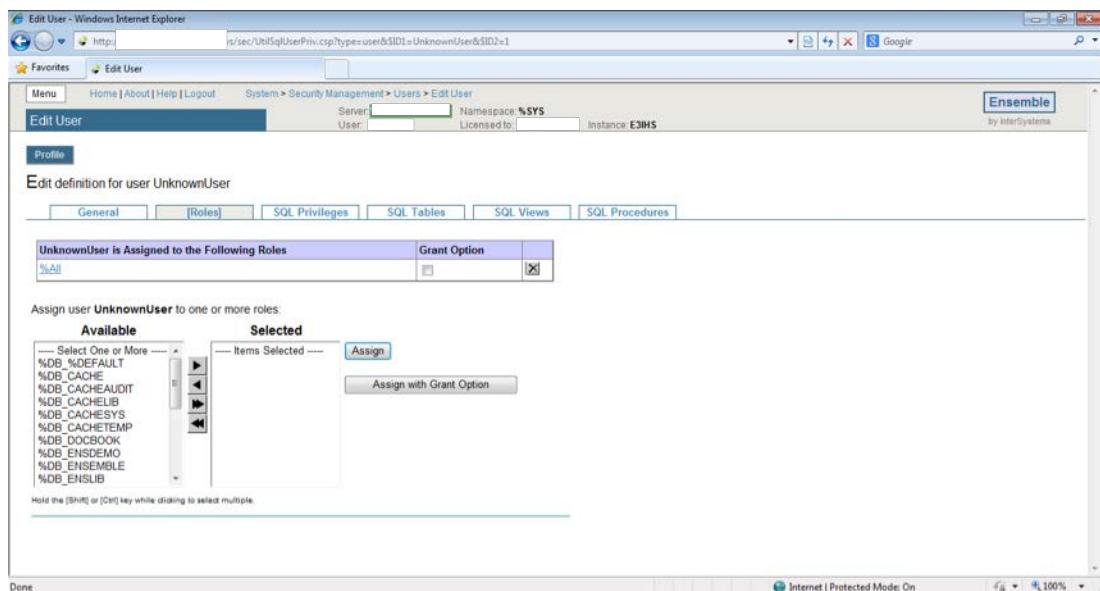


Figure 6-26: **Edit User, %All role assigned**

At this point the CCDA CSP application is set up and ready to be accessed from the EHR GUI.

Note: The firewall settings on all Windows workstations running the EHR GUI client need to be configured to accept incoming Web Services connections from Ensemble to display CCDAs. Contact your firewall administrator or Area Support if you cannot resolve firewall issues.

6.6 Setting up Site-Specific CCDA Parameters

Access the RPMS menu **CCDA Menu** and configure your site-specific CCDA parameters.

Note: This menu is locked by security key **XUMGR**, which you should have as a site manager. If you cannot access this menu from the regular **OPTION NAME** prompt in RPMS, you will need to add it to your user settings.

The BCCD Menu consists of the four menu options shown in Figure 6-27.

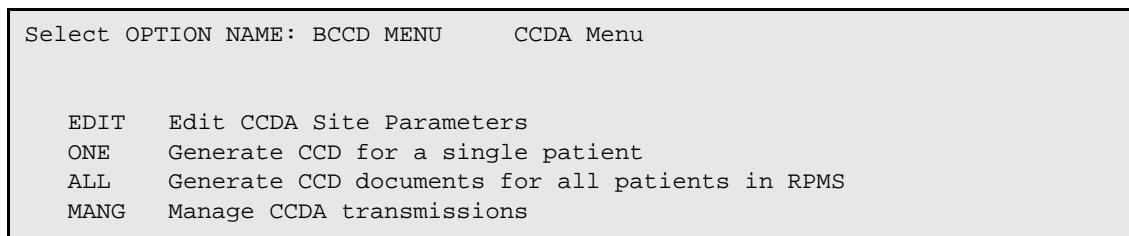


Figure 6-27: BCCD Menu

Access option **Edit CCDA Site Parameters**. You will be asked eight questions, which will determine how CCDA processing is performed at your site.

Note: You should not enter a value at the “TIME TO RUN NIGHTLY TASK” or “REPOSITORY LOCATION” prompts until you are ready to begin the CCDA onboarding process.

The first prompt is “TIME TO RUN NIGHTLY TASK,” and there is no default value. If the RPMS site is not a part of the IHS HIE at this time, then skip the “TIME TO RUN NIGHTLY TASK” prompt. If the RPMS site is a part of the IHS HIE and the site manager has been provided with the location of the off-site CCDA repository, enter the time when the site wants CCDA documents to be generated and transmitted on a nightly basis. It is recommended to enter a time outside of the regular business hours to minimize impact on the end users. The “TIME TO RUN NIGHTLY TASK” prompt accepts time values in all valid FileMan formats, e.g., 15:34 or 03:34PM. If this field was cleared in Section 4.6.2, then re-enter that value here.

The second prompt is “ADD SOCIAL ENVIRONMENT PROB,” which is set to NO by default. This NO value determines whether social environment problems will be included in Clinical Summary documents for the site. All other document types will always display the social environment problems.

The third prompt is “ADD INACTIVE PERS HISTORY PROB”, which is set to NO by default. This NO value specifies whether inactive personal problems are included in Clinical Summary documents for site. All other document types will always display the inactive personal history problem.

The fourth prompt is “DISCHARGE PLANNER PROV TYPE,” which has no default value. This parameter specifies the BDP DESG SPECIALTY PROVIDER type to be extracted and displayed as the discharge planner on an inpatient CCDA document.

The fifth prompt is “Select ALLOWED CS PROVIDER CLASS.” This field is a multiple, containing a collection of provider classes. This parameter is used by the Lab Results extract on a Clinical Summary to determine the previous visit. In order for a visit to be considered as the ‘previous visit’ for the purposes of the Lab Results extract, the primary provider of the visit must have a provider class listed in this parameter. During installation, the following provider class values are setup as the default values: MD, PHYSICIAN ASSISTANT, PEDIATRIC NURSE PRACTITIONER, NURSE PRACTITIONER, NURSE MIDWIFE, and OSTEOPATHIC MEDICINE. To avoid potentially large documents to be generated from excessive data in the Lab Results section, add any additional provider classes that are associated with a provider visit. Based on experience with test sites, the subject matter experts (SMEs) have determined that FAMILY PRACTICE needs to be added to the list of Provider Classes.

The sixth prompt is “DAYS KEEP TRANSMISSION ENTRIES,” and it is set to 30 days by default. The default value can vary between 7 and 9999 days. The higher the number, the more disk space the intermediate compile structures created by the CCDA application will consume as described in Section 3.3 of this installation guide. On the other hand, if the default value is set too low, the compile data may be purged too soon and will not be available to facilitate debugging should any problems arise. If the site manager is not sure what value to enter, accept the default value of 30 days.

The seventh prompt is “REPOSITORY LOCATION,” and there is no default value. If the RPMS site is not a part of the IHS HIE at this time, skip the REPOSITORY LOCATION prompt. If the RPMS site is a part of the IHS HIE and the site manager has been provided with the location of the off-site CCDA repository, enter that location at the REPOSITORY LOCATION prompt exactly as it was provided to the site manager. When a value is entered for both the “REPOSITORY LOCATION” and the “TIME TO RUN NIGHTLY TASK” prompts, the system will check whether the CCDA database has enough disk space to accommodate the process of generating CCDA documents for all patients in the system. An error message will display if there is not enough disk space. If the “not enough disk space” error message displays, allocate more disk space and try again.

The eighth prompt is “ENABLED,” and the default value is NO. This NO value controls whether CCDA documents are generated when CCDA is running. Change this value to YES.

Figure 6-28 contains a screen capture of a typical setup session.

```
Select CCDA Menu Option: EDIT Edit CCDA Site Parameters
Now editing CCDA parameters:

TIME TO RUN NIGHTLY TASK: 01:00

Now editing CCD (Summarization of Episode Note)-specific parameters:
```

```
ADD SOCIAL ENVIRONMENT PROB: NO//  
ADD INACTIVE PERS HISTORY PROB: NO//  
DISCHARGE PLANNER PROV TYPE:  
Select ALLOWED CS PROVIDER CLASS: OSTEOPATH//  
DAYS KEEP TRANSMISSION ENTRIES: 30//  
REPOSITORY LOCATION:  
http://sample.ihs.gov:19090/PatientRecordReceiverService/PatientRecordReceiverService  
ENABLED: YES//YES
```

Figure 6-28: Setting up CCDA Site Parameters

6.7 Starting CCDA Messaging

CCDA Messaging can be started once all site-specific CCDA parameters are set up.

Sign on to the system as an Ensemble administrator using an account with the **%All** role. (If you use a non-privileged account, you will not be able to start CCDA Messaging.) Access the **Manage CCDA transmissions** option in the CCDA menu. The option will first check that all site-specific CCDA parameters were set up properly and then ask you if you want to start CCDA. Answer **YES** and CCDA will start. Figure 6-29 contains a typical screen capture.

```
Select CCDA Menu Option: MANG  Manage CCDA transmissions  
CCDA status:  
No configuration problems found  
  
CCDA processing task is not running  
  
Start CCDA? No// YES  (Yes)  
Attempting to start CCDA  (JUL 16, 2013@16:09:54)..CCDA started
```

Figure 6-29: Starting CCDA

Once starting CCDA, CCDA documents will be available via the EHR GUI after about two minutes. If your site is a part of the IHS HIE and you have specified the location of the off-site repository, the system will not start generating CCDA documents until TIME TO RUN NIGHTLY TASK, which you entered while setting up CCDA site parameters.

Note: The first time the nightly job runs, it can take over two days to generate CCDA documents for all patients in the database.

Normally, starting CCDA will automatically start the associated Ensemble production within two minutes. If your _SYSTEM user account has been disabled, it will not be possible to automatically start the Ensemble production. In that case, the production will need to be started manually.

Use the following steps to start the Ensemble production manually:

1. Sign on to Ensemble's Management Portal as the administrator.
2. Switch to the CCDA namespace. Instructions for switching namespaces can be found in Section 4.6.2. The namespace will consist of "CCDA" concatenated with the name of your RPMS namespace.
3. On the main Management Portal page, select **Ensemble** in the left column, then select **Configure >> | Production**.

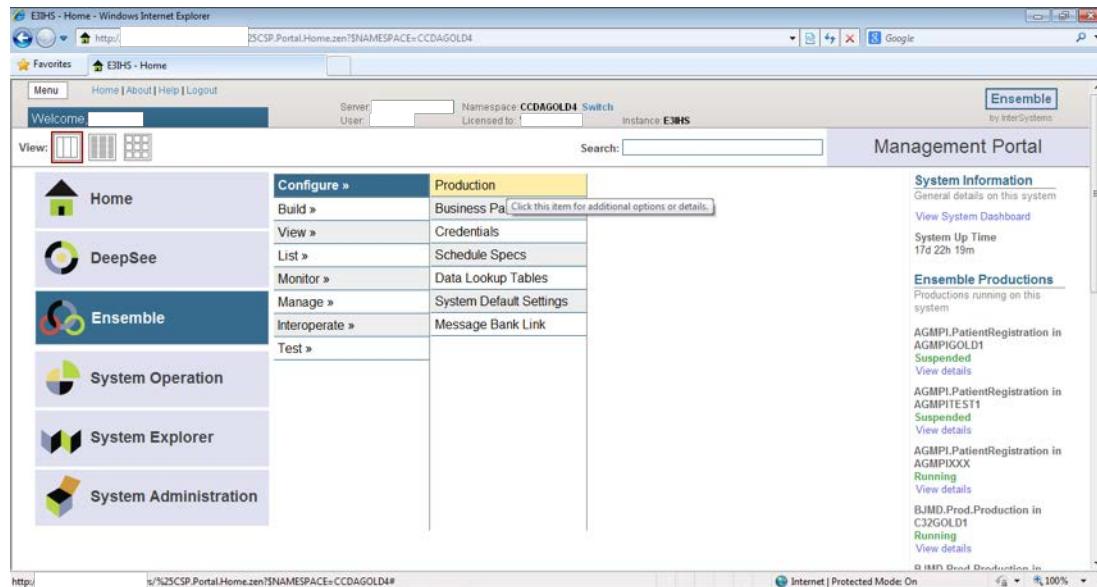


Figure 6-30: Management Portal

4. Above the **Services** column on the left, the words "Ensemble Stopped" will display. If the words "Ensemble Running" display, the production is already running; skip the rest of this section.

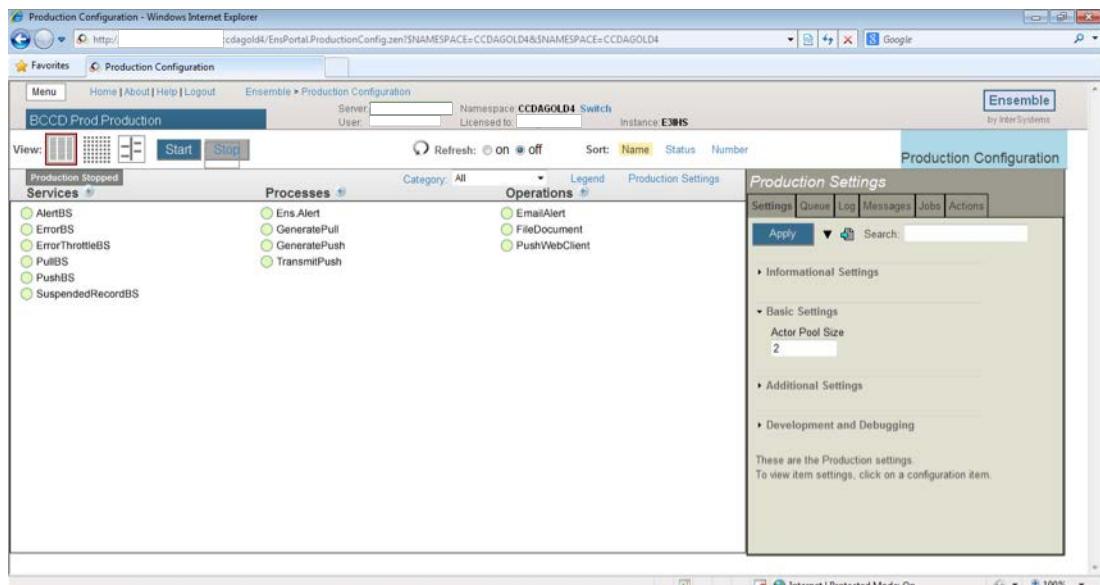


Figure 6-31: Ensemble production in a stopped state

5. Click **Start**.

6. A pop-up will display that asks: “Do you wish to start this Production?” Click **OK**. The lines in Figure 6-32 should appear on the screen. There might be additional messages on this screen if it takes Ensemble more than a few seconds to stop all associated processes.

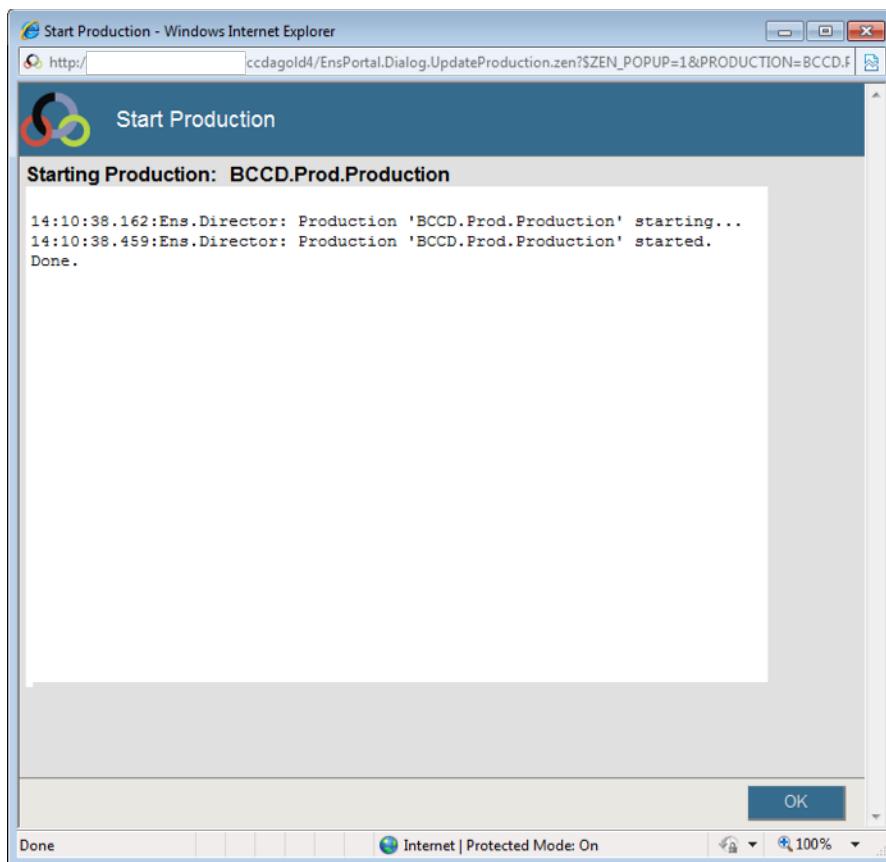


Figure 6-32: Starting the Ensemble production

Click **OK** to return to the Production Configuration screen.

6.8 Install BCCD Patches

Install BCCD patches 1–7, in order. The instructions for installing each patch can be found in the corresponding patch notes.

6.9 Installation Complete

At this point, the CCDA application has been installed and started. Further information about using and maintaining the application can be found in the *Consolidated Clinical Document Architecture (BCCD) User Manual*.

Appendix A: Routine Checksums

PACKAGE: CCDA 1.0 Feb 24, 2014 1:25 pm			PAGE 1
<hr/>			
BCCD1E00	Calculated	8711876	
BCCD1P00	Calculated	106450904	
BCCDCLAS	Calculated	7110455	
BCCDDPT	Calculated	35593233	
BCCDEDIT	Calculated	16989268	
BCCDPAT	Calculated	73160646	
BCCDPUSH	Calculated	3806362	
BCCDTSK	Calculated	11107309	
BCCDTX	Calculated	81208	
BCCDTXA	Calculated	44219545	
BCCDTXB	Calculated	31015445	
BCCDTXAC	Calculated	31408318	
BCCDTXAD	Calculated	5493737	
BCCDUTIL	Calculated	62432729	
BCCDUTL1	Calculated	25265754	
<hr/>			
15 Routines checked, 0 failed.			

Figure A-1: Checksums for CCDA routines

Appendix B: Manual Pre-Installation Steps

This appendix contains pre-installation steps that are normally performed automatically by the installation process. In certain circumstances, it is not possible for the installation process to perform these steps automatically. If this situation occurs, the installation process will direct you to perform these steps manually. If such a message during installation is not received, do not perform these steps.

In this section, you will be performing activities on an existing Ensemble production. If you are installing the software for the first time, you will not have an existing Ensemble production, so you do not need to perform these steps. However, you will still need to perform certain post-installation steps (in Appendix C: Manual Post-Installation Steps) if prompted to do so during the installation process.

B.1 Stop the Ensemble Production

This section covers the steps to stop the Ensemble production if it is running.

1. Sign on to Ensemble's Management Portal as the administrator.
2. Switch to the CCDA namespace. Instructions for switching namespaces can be found in Section 4.6.2. The namespace will consist of "CCDA" concatenated with the name of your RPMS namespace.
3. On the main Management Portal page, select **Ensemble** in the left column, then select **Configure >> | Production**. When the **View, Edit, Start, or Stop a Production** option appears, click **Go** to display the Production Configuration page.

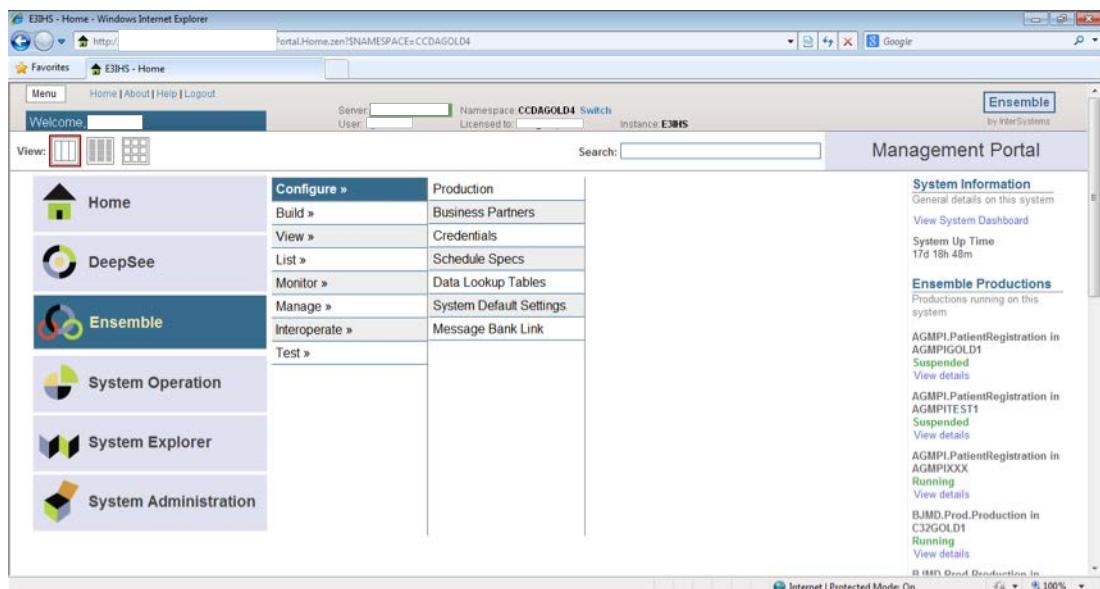


Figure B-1: Management Portal, Production option

4. Above the **Services** column on the left, the words “Ensemble Running” will display. If the words “Ensemble Stopped” display, the production is already stopped. Skip to Section B.2.

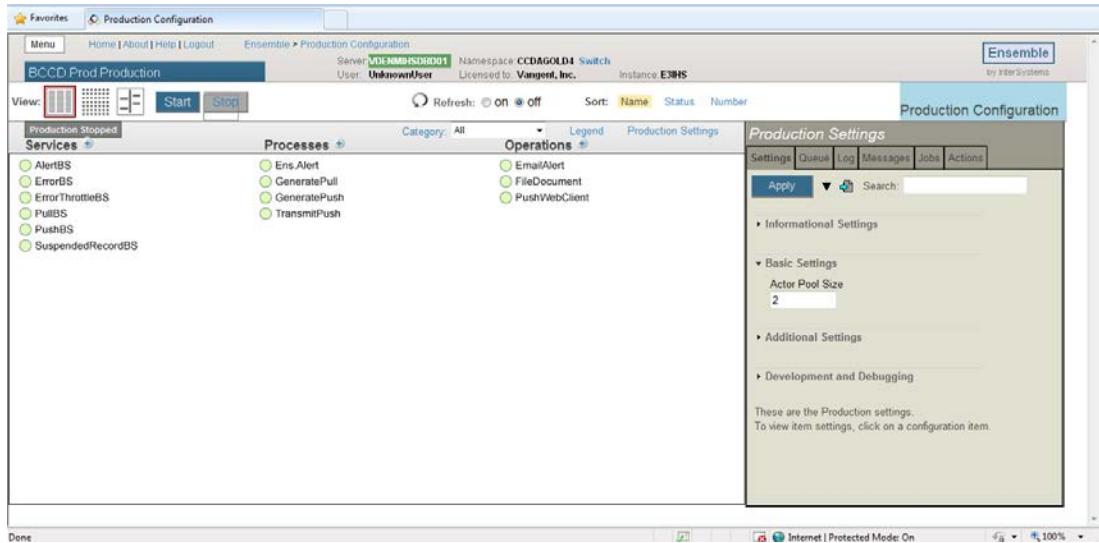


Figure B-2: Ensemble production in a stopped state

Click **Stop**. It might take the production a few seconds to stop. When it stops, the text in Figure B-3 displays on the screen. There might be additional messages on this screen if it takes Ensemble more than a few seconds to stop all associated processes.

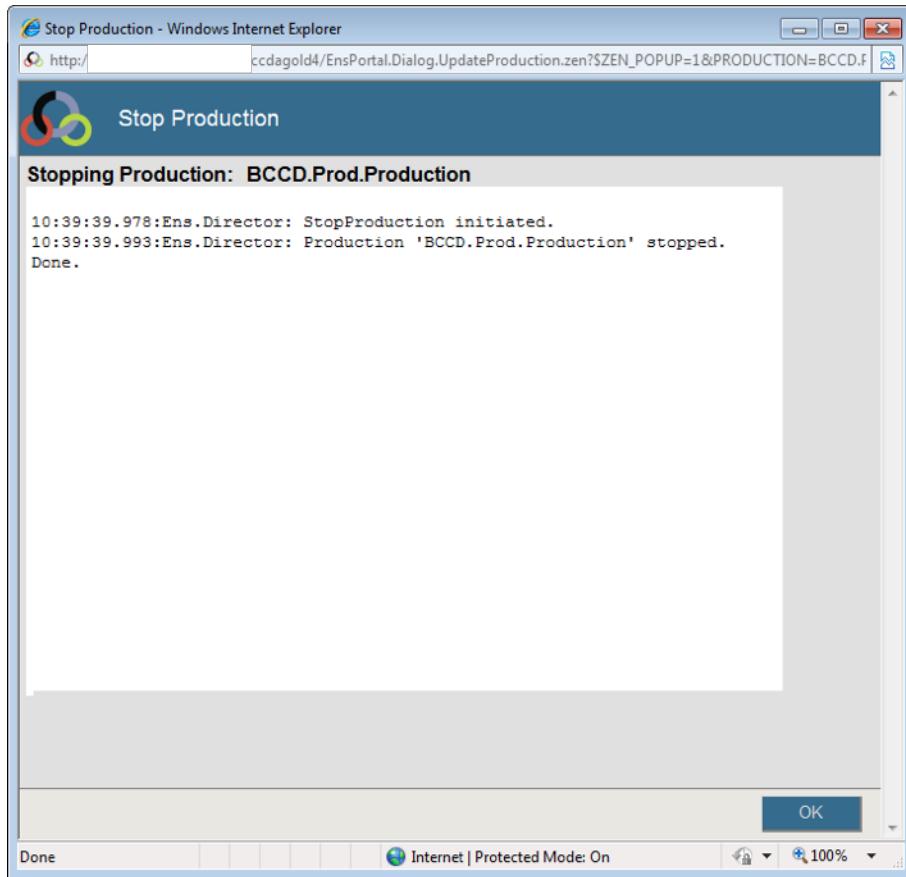


Figure B-3: Stopping the Ensemble production

5. Click **OK** to return to the Production Configuration screen.

B.2 Record Custom Production Settings

In this step you will record any custom settings that have been applied to your site's Ensemble production so they may be reapplied after installation.

1. If not already there, follow the steps in the previous section to get to the Production Configuration screen.
2. For each item that has had custom settings applied, click that item in the middle of the screen and make a note of the settings in the box on the right side of the screen. It may be necessary to expand the sections to see the setting values. In a typical installation, only the e-mail settings in the EmailAlert item are customized.

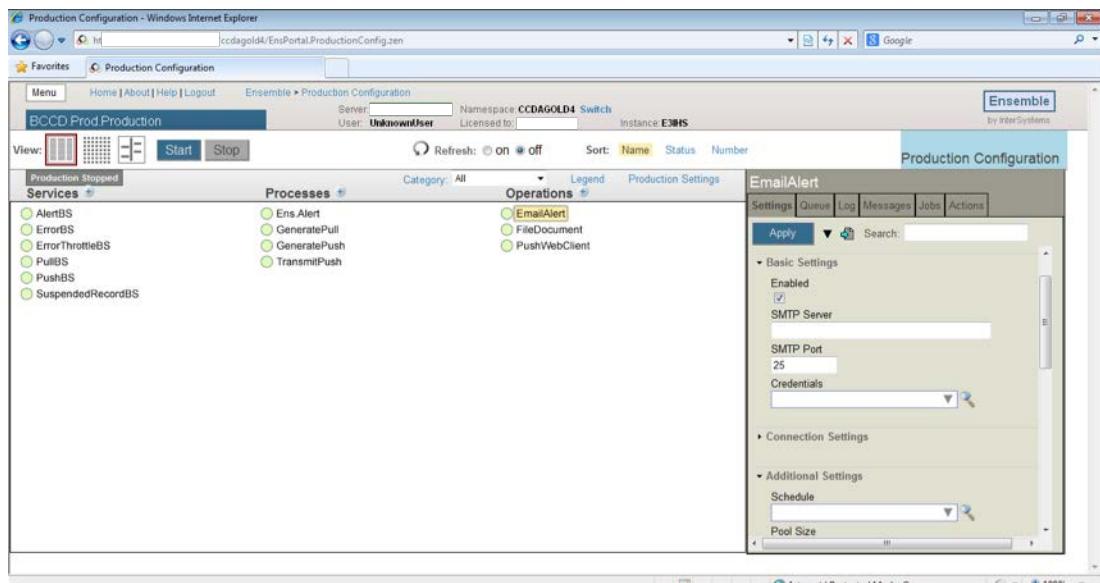


Figure B-4: Reviewing production settings

Appendix C: Manual Post-Installation Steps

This appendix contains post-installation steps that are normally performed by the installation process automatically. In certain circumstances, it is not possible for the installation process to perform these steps automatically. If such a situation occurs, the installation process will direct you to perform these steps manually. If such a message during installation is not received, do not perform these steps.

C.1 Verify that the Ensemble production is stopped

1. Sign on to Ensemble's Management Portal as the administrator.
2. Switch to the CCDA namespace. Instructions for switching namespaces can be found in Section 4.6.2. The namespace will consist of "CCDA" concatenated with the name of your RPMS namespace.
3. On the main Management Portal page, select **Ensemble** in the left column, then **Configure >> | Production**.

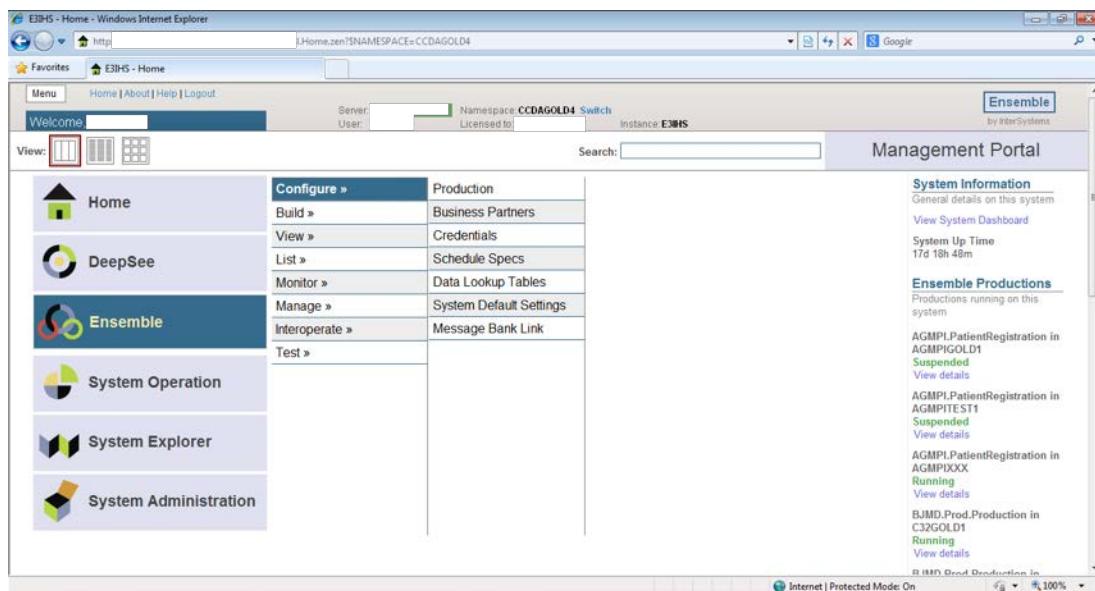


Figure C-1: Management Portal, Production option

4. Verify that the words "Ensemble Stopped" display above the **Services** column on the left. If the words "Ensemble Running" display, follow the instructions for stopping the Ensemble production in section B.1.

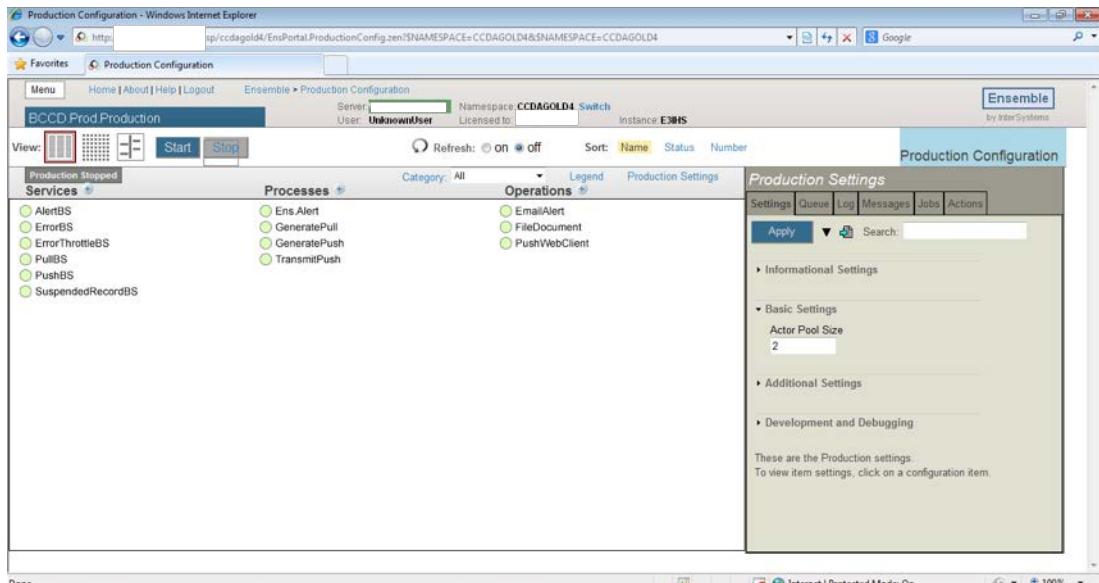


Figure C-2: Ensemble production in a stopped state

C.2 Recompile the production

1. Navigate to an RPMS programmer prompt.
2. Switch to the CCDA namespace by entering the following command at the programmer prompt:

```
ZN "CCDAXXX"
```

CCDAXXX is the name of your CCDA namespace. The prompt will change to reflect the new namespace.

3. Recompile the Ensemble production by entering the following command at the programmer prompt:

```
do $System.OBJ.Compile("BCCD.Prod.Production", "ck/lock=0/journal=0")
```

Note: The command is case sensitive, so it must be typed exactly as shown. There is a single space between **do** and **\$System**, but no other spaces.

C.3 Reapply custom production settings

In this step you will reapply the custom settings that were recorded in Section B.2. If you did not record any custom settings, skip this step.

1. Navigate to the Production Configuration screen in Ensemble's Management Portal.

2. For each item with custom settings, click that item in the middle of the screen and enter the correct settings in the box on the right side of the screen. After changing the value of each item, click **Apply** at the top left of the settings box to save the settings.

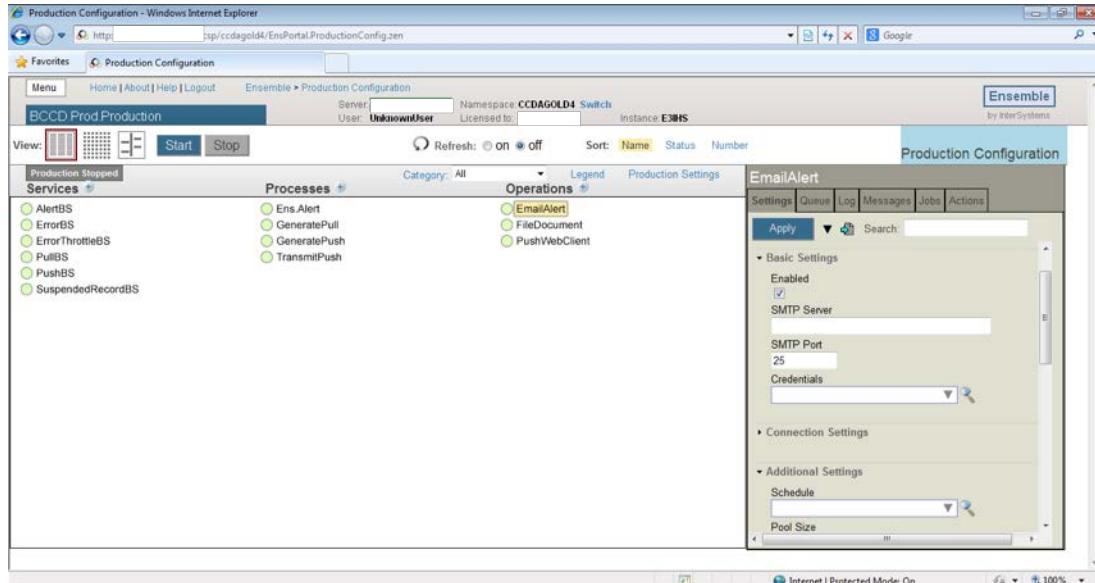


Figure C-3: Applying production settings

C.4 Schedule the CCDA purge task

1. Navigate to the main Management Portal page. If you are on the Production Configuration page, navigate back to the main Management Portal page by clicking the Home link near the top left of the page.
2. Check whether the purge task is already scheduled by clicking **System Operation | Task Manager >> | Task Schedule | Go**. Look for a task named **Auto-Purge CCDA in CCDAXXXX**, where "CCDAXXXX" is the name of your CCDA namespace. If there is a task by that name, then the purge task is already scheduled and you should skip the rest of this section.

Task Name	Task Type	Namespace	Description	ID	Suspended	Last Finished	Next Scheduled
AGMPiQOLD1 Message Purge	User	AGMPiQOLD1	Purge Old AGMPI Message	1032		2013-11-16 00:00	2013-11-23 00:00
AGMPiQOLD2 Message Purge	User	AGMPiQOLD2	Purge Old AGMPI Message	1033		2013-11-16 00:00	2013-11-23 00:00
AGMPiQXX Message Purge	User	AGMPiQXX	Purge Old AGMPI Message	1031		2013-11-16 00:00	2013-11-23 00:00
Auto-Purge C32 in C32GOLD1	User	C32GOLD1	Automatically purge messages	1001		2013-11-17 00:00	2013-11-24 00:00
Auto-Purge C32 in C32GOLD2	User	C32GOLD2	Automatically purge messages	1035		2013-11-17 00:00	2013-11-24 00:00
Auto-Purge C32 in C32TEST1	User	C32TEST1	Automatically purge messages	1072		2013-11-17 00:00	2013-11-24 00:00
Auto-Purge C32 in C32TEST4	User	C32TEST4	Automatically purge messages	1070		2013-11-17 00:00	2013-11-24 00:00
Auto-Purge CCDA in CCDAQOLD4	User	CCDAQOLD4		1109		2013-10-26 11:28	
Auto-Purge CCDA in CCDATEST4	User	CCDATEST4	Automatically purge messages	1041		2013-11-17 00:00	2013-11-24 00:00
Check Logging activity	System	NSYS	Check active application logging at 1:00 am	10		2013-11-19 01:00	2013-11-20 01:00
Diagnostic Report	System	NSYS	Send system diagnostic reports to WRC On Demand, and/or on a schedule	6			
Integrity Check	System	NSYS	Integrity check for databases at 2:00 am every Monday	4	4 Suspend Reschedule	2013-11-25 02:00	
Inventory Scan	System	NSYS	Run a scan of the system inventory on install or upgrade and on demand thereafter	8		2013-08-17 13:19	
PostInstallTask	User	CCDATEST1	Performs installation steps in Ensemble namespace	1055	Suspend Leave	2013-07-19 09:26	2013-07-19 00:01
PostInstallTask	User	CCDATEST1	Performs installation steps in Ensemble namespace	1066	Suspend Leave	2013-07-29 14:27	2013-07-29 00:01
PostInstallTask	User	CCDATEST4	Performs installation steps in Ensemble namespace	1064	Suspend Leave	2013-08-05 16:30	2013-08-05 00:01
PostInstallTask	User	CCDATEST4	Performs installation steps in Ensemble namespace	1074	Suspend Leave	2013-08-23 13:34	2013-08-20 00:01
PostInstallTask	User	CCDATEST4	Performs installation steps in Ensemble namespace	1080	Suspend Leave	2013-08-20 13:44	2013-08-20 00:01
PostInstallTask	User	CCDATEST4	Performs installation steps in Ensemble namespace	1083	Suspend Leave	2013-08-23 13:56	2013-08-23 00:01
PostInstallTask	User	CCDATEST4	Performs installation steps in Ensemble namespace	1085	Suspend Leave	2013-08-27 11:19	2013-08-27 00:01

Figure C-4: Task Schedule screen with a scheduled CCDA purge task

3. Navigate back to the main Management Portal by clicking the **Task Manager** link near the top center of the page.
4. Navigate to the **Task Scheduler Wizard** by clicking **New Task**.
5. In the **Task Scheduler Wizard**, enter the following values, substituting the name of your CCDA namespace for “CCDAXXX”:
 - Task name: **Auto-Purge Task in CCDAXXX**
 - Description: **Automatically purge messages**
 - Namespace to run task in: **CCDAXXX**
 - Task type: **BCCD.Tasks.Purge**
 - BodiesToo: **checked**
 - KeepIntegrity: **checked**
 - NumberOfDaysToKeep: **7**
 - TypesToPurge: **Messages**
 - Task priority: **Priority Normal**
 - Run task as this user: **select a user with the %All role in Ensemble**
 - Open output file when task is running: **No**
 - Output file: **(blank)**
 - Reschedule task after system restart: **Yes**

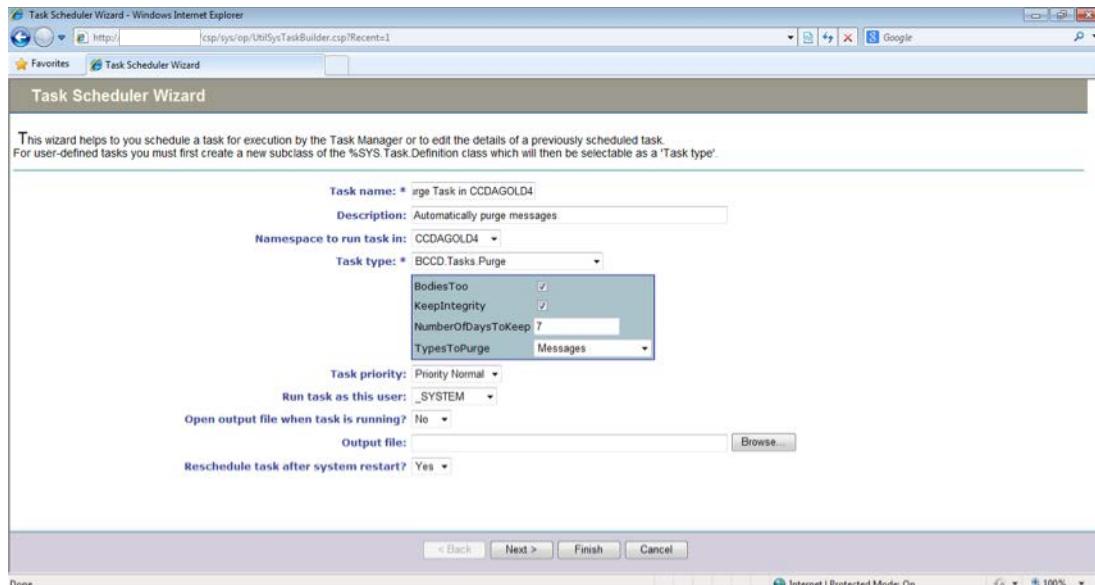


Figure C-5: First screen of the **Task Scheduler Wizard**

6. Click **Next >** to navigate to the next screen.
7. On the **Schedule** screen, enter the following values:
 - How often do you want the Task Manager to execute this task: **Weekly**
 - Every __ weeks: **1**
 - Monday-Saturday: **unchecked**
 - Sunday: **checked**
 - Start Date: **today's date**
 - End Date: **(blank)**
 - Run once at this time: **checked, 00:00:00**
 - Remaining fields: **do not change**

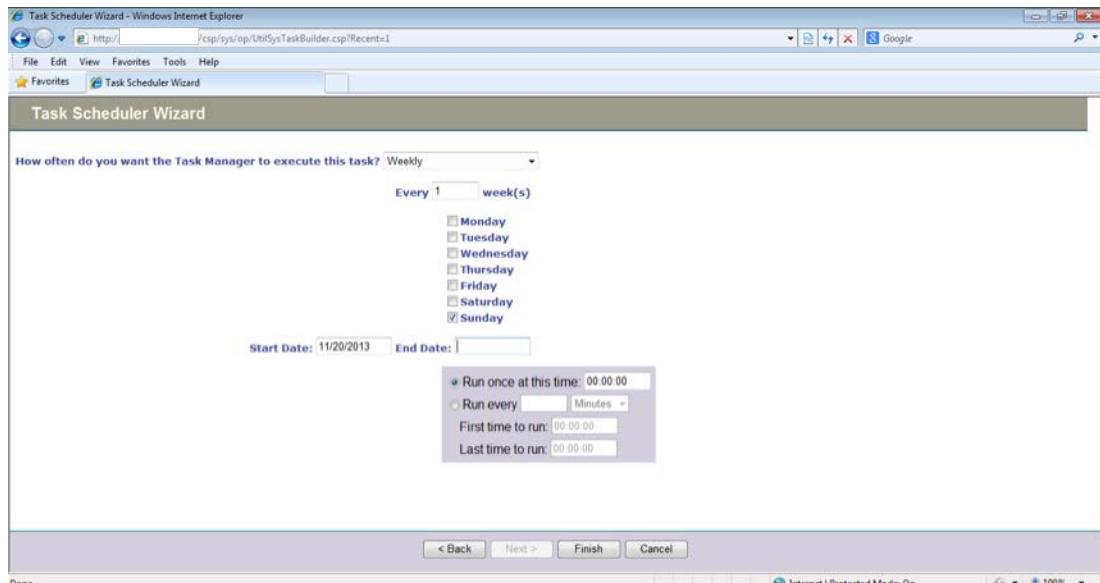


Figure C-6: Second screen of the **Task Scheduler Wizard**

8. Click **Finish** to schedule the task. The **View Task Schedule** screen will display with the CCDA purge task added to the list of tasks.

Glossary

API

Application Programming Interface; an interface provided by a software application to allow other applications to interact with it.

BCCD

RPMS namespace for CCDA files, routines, and classes.

Web service

An API that allows communication with an application via SOAP messages over HTTP.

Acronym List

Acronym	Term Meaning
API	Application Programming Interface
CCD	Continuity of Care Document
CCDA	Consolidated Clinical Document Architecture
CSP	Caché® Server Page
DTSU	Draft Standard for Trial Use
EHR	Electronic Health Record
FM2C	FileMan-to-Class utility; prior to FM2C version 1.0, the abbreviation stood for FileMan-to-Caché mapper
GB	Gigabyte
GUI	Graphical User Interface
HIE	Health Information Exchange
HL7	Health Level 7
IHS	Indian Health Service
KB	Kilobyte
KIDS	Kernel Installation and Distribution System
MB	Megabyte
MU2	Meaningful Use 2
OIT	Office of Information Technology
OS	Operating System
RPMS	Resource and Patient Management System
SMEs	Subject Matter Experts
XML	Extensible Markup Language

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